SONY

EDITING PANEL

(for MAV-555 MULTI ACCESS VIDEO DISK RECORDER)

MAVE-F555 (Ver. 2.30)

⚠警告 電気製品は、安全のための注意事項を守らないと、火災や人身事故になることがあります。

このオペレーションマニュアルには、事故を防ぐための重要な注意事項と製品の取り扱いかたを示してあります。**このオペレーションマニュアルをよくお読みのうえ、**製品を安全にお使いください。お読みになったあとは、いつでも見られるところに必ず保管してください。

OPERATION MANUAL Japanese/English

1st Edition (Revised 2)
Serial No. 10001 and Higher

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

THIS APPARATUS MUST BE EARTHED.

For the customers in the USA

WARNING
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his or her own expense.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: THIS WARNING IS APPLICABLE FOR USA ONLY.

If used in USA, use the UL LISTED power cord specified below.
DO NOT USE ANY OTHER POWER CORD.

Plug Cap	Parallel blade with ground pin (NEMA) 5-15P Configuration)
Cord	Type SJT, three 16 or 18 AWG wires
Length	Less than 2.5 m (8 ft. 3 in.)
Rating	Minimum 10 A, 125 V

WARNING: Using this unit at a voltage other than 120 V may require the use of a different line cord or attachment plug, or both. To reduce the risk of fire or electric shock, refer servicing to qualified service personnel.

AVERTISSEMENT

Afin d'éviter tout risque d'incendie ou d'électrocution, ne pas exposer l'appareil à la pluie ou à l'humidité.

Afin d'écarter tout risque d'électrocution, garder le coffret fermé. Ne confier l'entretien de l'appareil qu'à un personnel qualifié.

CET APPAREIL DOIT ÊTRE RELIÉ À LA TERRE.

VORSICHT

Um Feuergefahr und die Gefahr eines elektrischen Schlages zu vermeiden, darf das Gerät weder Regen noch Feuchtigkeit ausgesetzt werden.

Um einen elektrischen Schlag zu vermeiden, darf das Gehäuse nicht geöffnet werden. Überlassen Sie Wartungsarbeiten stets nur einem Fachmann.

DIESES GERÄT MUSS GEERDET WERDEN.

For the customers in Europe

This product with CE marking complies with both the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European standards:

- EN60950: Product Safety
- EN55103-1: Electromagnetic Interference (Emission)
- EN55103-2: Electromagnetic Susceptibility (Immunity)

This product is intended for use in the following Electromagnetic Enviroment(s):

E1 (residential), E2 (commercial and light industrial), E3 (urban outdoors) and E4 (controlled EMC environment, ex. TV studio).

Pour les clients européens

Ce produit portant la marque CE est conforme à la fois à la Directive sur la compatibilité électromagnétique (EMC) (89/336/CEE) et à la Directive sur les basses tensions (73/23/CEE) émises par la Commission de la Communauté européenne.

La conformité à ces directives implique la conformité aux normes européennes suivantes:

- EN60950: Sécurité des produits
- EN55103-1: Interférences électromagnétiques (émission)
- EN55103-2: Sensibilité électromagnétique (immunité)

Ce produit est prévu pour être utilisé dans les environnements électromagnétiques suivants:

E1 (résidentiel), E2 (commercial et industrie légère), E3 (urbain extérieur) et E4 (environnement EMC contrôlé ex. studio de télévision).

Für Kunden in Europa

Dieses Produkt besitzt die CE-Kennzeichnung und erfüllt sowohl die EMV-Direktive (89/336/EEC) als auch die Direktive Niederspannung (73/23/EEC) der EG-Kommission.

Die Erfüllung dieser Direktiven bedeutet Konformität für die folgenden Europäischen Normen:

- EN60950: Produktsicherheit
- EN55103-1: Elektromagnetische Interferenz (Emission)
- EN55103-2: Elektromagnetische Empfindlichkeit (Immunität)

Dieses Produkt ist für den Einsatz unter folgenden elektromagnetischen Bedingungen ausgelegt:

E1 (Wohnbereich), E2 (kommerzieller und in beschränktem Maße industrieller Bereich), E3 (Stadtbereich im Freien) und E4 (kontrollierter EMV-Bereich, z.B. Fernsehstudio).

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About this Operation Manual

This section describes how to use this Operation Manual, which serves as a guide to using the MAVE-F555 Editing Panel.

Purpose and intended readership of this manual

This Operation Manual describes the parts of the MAVE-F555 and their functions, preparations, and general operations which you will need to understand in order to use the MAVE-F555.
By using the Multi Access Video Disk Recorder MAV-555 together with the MAVE-D555 or BVE-series Editor, you can easily create a linear-like nonlinear editing system, or an edit/broadcast system with the MAV-555 as a line acceptor in combination with a player. In this arrangement, the MAVE-F555 acts as a controller for the MAV-555, MAVE-D555 and BVE-series Editor as external devices. This operation manual is written based on the assumption that you already have a basic understanding of how these external devices function and how to use them.
When using the MAVE-F555, read this manual in conjunction with the manuals supplied with the external devices connected to the MAVE-F555.

Organization of this manual

To give an overall idea of the whole of this manual, the chapters from Chapter 1 and the Appendix are listed below.

Chapter 1 Overview

This briefly describes the principal features of the MAVE-F555 and the names and functions of the parts of the MAVE-F555.

Chapter 2 Preparations

Regarding the use of MAVE-F555 with the MAV-555 Multi Access Video Disk Recorder and MAVE-D555 or BVE-series editor, this chapter describes example system configurations for different applications, how to connect the MAVE-F555 to the MAV-555, and the settings required on the MAV-555.

Chapter 3 Operations for Linear/Nonlinear Editing

Regarding the use of the MAV-555 and MAVE-D555 or a BVE-series editor, this chapter describes file operations which cannot execute from the BVE-series editor for the MAV-555: file assignment, creating new files, deleting files, and cut-jump and cut-insertion operations. This chapter also describes how to make efficient use of a spare MAV-555 port for background operation from the MAVE-F555, and the recorder selection function for “one-touch” switching of the VTR/MAV-555 player/recorder configuration.

Chapter 4 Operations When Multiple MAVE-F555 Units Are Connected to the MAV-555

When two or more MAVE-F555 units are connected to the MAV-555, this describes how to control different ports of the MAV-555 from the MAVE-F555. It also describes which operations are possible from the MAVE-F555, depending on the method of connection.

Appendixes

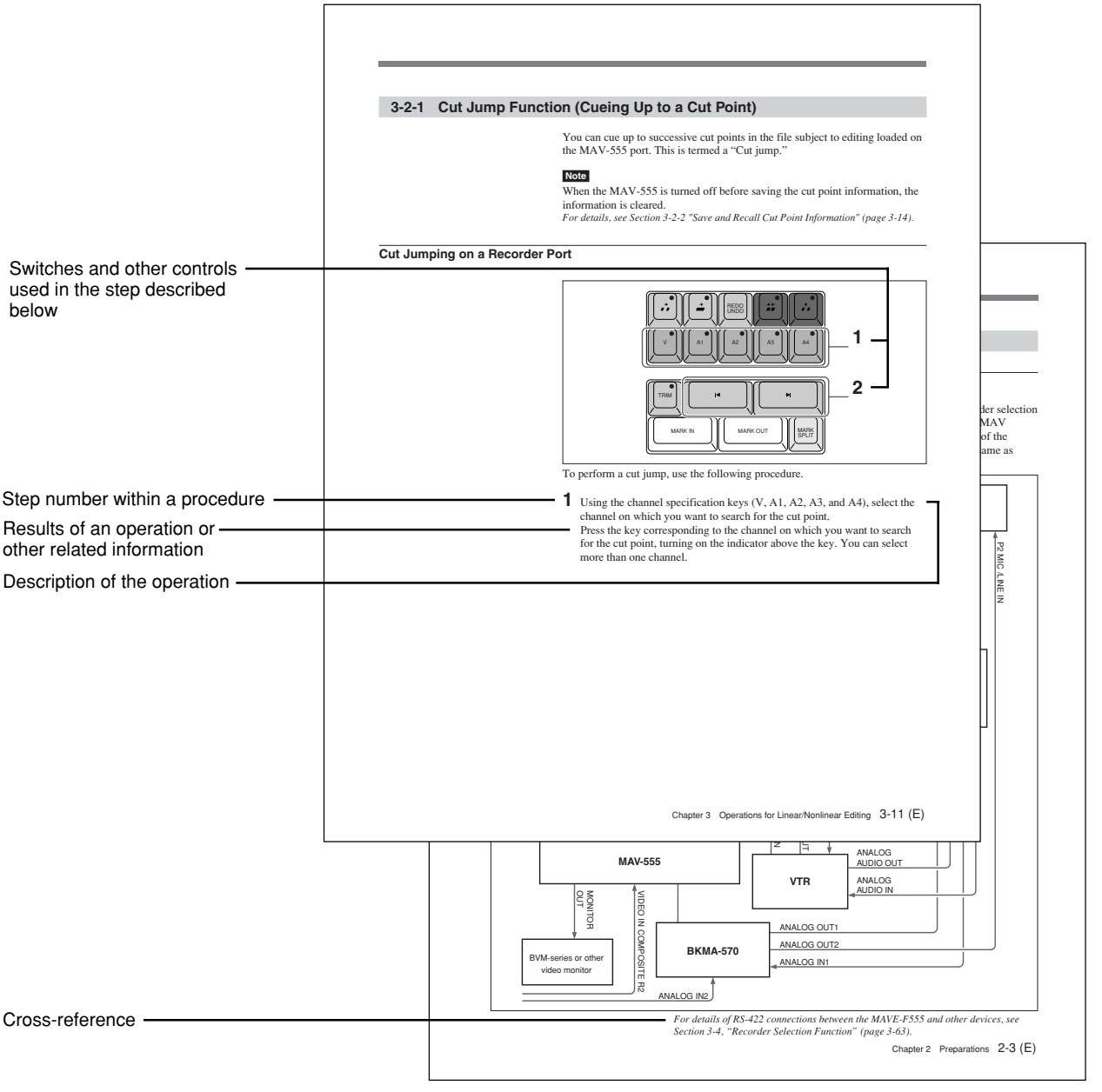
This includes a list of error messages and the principal specifications of the MAVE-F555.

How to use this manual

Procedure descriptions

Numerals attached to buttons and switches in illustrations indicate the corresponding steps of a procedure. They are also used to indicate switches used in an operation, indicators which must be checked, information superimposed on the monitor screen (the MONITOR OUT output of the MAV-555), and so on.

Cross-references to related information in this manual or other documentation are in italics, and show the item to be referred to and the page number. When the related information is in a manual other than this manual, the cross-reference gives the title of the other manual.


3-2-1 Cut Jump Function (Cueing Up to a Cut Point)
You can cue up to successive cut points in the file subject to editing loaded on the MAV-555 port. This is termed a "Cut jump."
Note
When the MAV-555 is turned off before saving the cut point information, the information is cleared.
For details, see Section 3-2-2 "Save and Recall Cut Point Information" (page 3-14).
Cut Jumping on a Recorder Port
REDO
UNDO
V
A1
A2
A3
A4
1
2
TRIM
MARK IN
MARK OUT
MARK SPLIT
To perform a cut jump, use the following procedure.
1 Using the channel specification keys (V, A1, A2, A3, and A4), select the channel on which you want to search for the cut point.
Press the key corresponding to the channel on which you want to search for the cut point, turning on the indicator above the key. You can select more than one channel.
Chapter 3 Operations for Linear/Nonlinear Editing 3-11 (E)
Switches and other controls used in the step described below
Step number within a procedure
Results of an operation or other related information
Description of the operation
Cross-reference
MAV-555
VTR
ANALOG AUDIO OUT
ANALOG AUDIO IN
MONITOR OUT
VIDEO IN COMPOSITE R2
BVM-series or other video monitor
BKMA-570
ANALOG OUT1
ANALOG OUT2
ANALOG IN1
ANALOG IN2
P2 MIC /LINE IN
For details of RS-422 connections between the MAVE-F555 and other devices, see Section 3-4, "Recorder Selection Function" (page 3-63).
Chapter 2 Preparations 2-3 (E)

Example description

Related manuals

In addition to this manual, the following manuals are provided for the MAVE-F555.

- **Installation Manual (supplied)**
  This describes the installation of the MAVE-F555.

- **MAV-555 Series Maintenance Manual (option)**
  This describes the maintenance of the MAVE-F555.

1-1 MAVE-F555 Overview

The MAVE-F555 is a dedicated editing panel intended for use with the MAV-555 Multi Access Video Disk Recorder and MAVE-D555 or BVE-series editor that provides a range of functions that are efficient and easy to use. The MAVE-F555 provides the following basic functions.

- File search, display, and selection functions for material on the MAV-555
- For edited material and material in course of editing on the MAV-555, cut insertion, delete, and other nonlinear editing functions (independent editing of the V/A1/A2/A3/A4 channels is possible)
- Background operation function using a spare MAV-555 port (recording using the background port or playback of MAV-555 internal material)
- Expanded editor functions with the MAVE-D555 or BVE-series editor.

Notes

- When using the MAVE-F555 Ver. 2.30, you must use the MAV-555, MAV-555A, MAV-555SS, or MAV-777 Ver. 2.32, and the MAVE-D555 Version 1.30.
- For reasons of simplicity, in this manual we refer to the MAV-555, MAV-555A, MAV-555SS (SD mode), and MAV-777 as the MAV-555.

1-2 Principal Features

Linear editing support function

The MAV-555 handles material in units referred to as files. Therefore, to carry out recording or playback using the MAV-555, operations corresponding to loading a tape on a VTR are required, that is, creating a new file (for new recording) or selecting an already recorded file (assignment). Using the MAVE-F555, you can carry out operations which cannot be carried out from a BVE-series editor, selecting or creating files on the MAV-555, and deleting files. For a file on the MAV-555 selected using the MAVE-F555, you can immediately use the search dial on the MAVE-D555 or BVE-series editor to carry out a search.

Nonlinear editing functions

By using the MAVE-F555 with a MAVE-D555 or BVE-series editor to operate the MAV-555, nonlinear operations such as adding or deleting cuts (not possible with the conventional BVE-series alone) can be carried out. For editing, you can select only the required channels from the V/A1/A2/A3/A4 channels. You can also use the cut jump function which allows you to cue up sequentially to cut points in material being edited.

Background operations

Using the MAV-555 in BVE mode, there is a spare port not used for editing. For example, if the MAV-555 is in the 2 input/2 output port configuration, the R2 port of the MAV-555 is not used for editing, and is a spare port. Such a "background port" can be controlled from the MAVE-F555. When the background port is a recording port, you can use the port for recording operations, and when a playback port, you can use the port for playback or broadcasting operations on MAV-555 internal material.

Recorder selection function

When editing with an editing system of an MAV-555 and MAVE-D555 or BVE-series editor, the following system configurations/connectors are required:
(1) with the VTR as player and the MAV-555 as recorder, for creating the editing result file in the MAV-555, and (2) with the MAV-555 as player and the VTR as recorder, for returning the completed MAV-555 internal file to the VTR. Using the recorder selection function, you can provide both of these with a single system configuration/connection, switching by a simple MAVE-F555 button operation (pressing the MAV key or VTR key).
Depending on the settings in the MAV-555 setup menu, the devices/ports controlled (by the P1 and P2 keys) when the MAVE-F555 MAV key is selected, and the devices/ports controlled when the VTR key is selected can be assigned freely. Further, depending on the MAV/VTR selection, the internal connections of the MAVE-F555 RS-422 ports (IN1/IN2/OUT1/OUT2) can be switched, and at the same time the connection switching status can be notified from the A/V SEL OUT connector. Integrated use of these operations allows you a system configuration, which as described above is characterized as "nonlinear editing → transferring completed material to VTR," and also allows the use of other unique configurations.

Support for connection of multiple MAVE-F555 units to a single MAV-555

Using the TO MAV (PARALLEL I/O) connector of the MAVE-F555, you can connect more than one MAVE-F555 to a single MAV-555, and with different MAVE-F555 units you can easily control different ports of the MAV-555. For example, when the MAV-555 has a 1 input/3 output configuration, you can configure a distribution system so that while recording on a line input to the MAV-555, you can carry out file assignments on the three ports P1 to P3 from the three corresponding MAVE-F555 units.

1-3 Changes from Version 1.00

1-3-1 Version 1.00 to 1.10 Changes

Cut Trimming

You can now trim the IN point and OUT point after executing the edit when operating and editing a material captured on the MAV-555 using the MAVE-F555 and a MAVE-D555 or a BVE-series editor. Either the results of previous linear edit results from a BVE-series editor, or the nonlinear edit results from the MAV-555 can be used for trimming operations.

Split Editing

When the MAV-555 is used in the BVE mode, with one edit different IN points can be set for editing each channel for the Video and Audio channels.

Clearing IN and OUT Points

One setting now clears IN and OUT points.

Clearing Files Stored with the MEMORY Key

Files stored with the MEMORY key can now be cleared.

Improved Cue-up Points Following Edit Execution

In Version 1.00 the IN/OUT points specified for the target file on the Recorder port were cleared immediately after edit execution, but in Version 1.10 new IN points are set like cue-up points immediately after edit execution.

Successive Cut Jumps

When executing cut jumps with the [▶I] or [I◀] keys by repeatedly pressing either key, without conducting cue-up immediately cue-up will now execute at the time specified from the end of key operation.

Revised Error Messages

Error messages have been revised along with the revised functions.

Improved Superimposed Text Display

The superimposed display was improved as each function was revised or new functions added.

1-3-2 Version 1.10 to 2.00 Changes

MAVE-D555 Compatibility

Connection to the MAVE-D555 has been enabled. The MAVE-D555 contains all the functions of the BVE-series editor to provide continuity and also provides new nonlinear editing capability.

Support for Effect Editing

Corresponds to the DISS, WIPE, and AUDIO keys with the MAVE-D555 connected.

Voice Over Editing

With the MAVE-D555 connected, voice over editing can be conducted. Sound can be inserted after a material at the end of editing.
For more details about voice over editing, read the MAVE-D555 operation manual.

Trimming Functions Added

Under special conditions, trimming on two screens was possible. Now after entering the trimming mode, one screen can be split into two and you can confirm the borders of the cut that you want to trim. Now an added trim can also be executed for an effect result. Furthermore, while trimming in the LIFT mode in Ver. 1.10 BLACK/MUTING was inserted in place of deleted intervals, but from Ver. 2.00 the adjacent cuts is extended after interval deletion.

Editing Operation Improved

- Before an edit is executed, a PREVIEW for confirmation or a REPLAY to confirm the result of editing immediately after an edit can be executed.
- For some special editing, during PREVIEW and play back execution you can capture the desired parts of a material. When PREVIEW is not executing, PREVIEW is conducted automatically during editing.
- An OPEN END Edit is now possible without setting an OUT point.

Support for External VTRs

An external VTR can now be selected as a Player or Recorder. Further, while a VTR is selected as Recorder, it can be used for Insert or Assemble 1st Edit editing.

Improved Cut Jumps

In Ver. 1.10 cut jumps could not be executed for unedited files, but in Ver. 2.00 cut jumps are possible by detection of non-continuous LTC points.

1-3-3 Version 2.00 to 2.10 Changes

Supports Insertion Editing of Text and Graphics

Text and graphics can be inserted into a cut to which effects have already been applied.
For details, see the "Inserting Text and Graphics (Downstream Key)" section of the MAVE-D555 manual.

Audio Channel Mix/Swap Editing

When editing from the P2 port of the MAV-555 to the RP port of the MAV-555, mix and swap editing are now available for each audio channel.
For details, see the "Audio Channel Mix/Swap Edit" section of the MAVE-D555 manual.

Improved Superimposed Display

The superimposed display had been improved as different functions were added.
For details, see the MAVE-D555 manual.

Functional Improvements when Using the Editing Fader Panel

- When setting the recording level when the AUDIO key of the MAVE-F555 is lit and a Player port is selected, the fader is enabled. Therefore, before performing a PREVIEW or EXECUTE/REC, the level can be confirmed.
- When the Editing Fader Panel is enabled (the AUDIO key is lit), information can be superimposed on the monitor for confirmation.

1-3-4 Version 2.10 to 2.20 Changes

Supports EDL Export from BZMA-E555

When the MAV-555 is used as a recorder during editing and used in parallel with the BZMA-E555 file transfer program (sold separately), it is now possible to use the MAVE-F555 to output EDL files (.edl) of editing results in the SONY BVE-9100 format. Also, when the VTR is used as a player during editing, it is possible to enter a tape's reel name.
For details about how to enter a tape's reel name, see the "Setting a Reel Name" section of the MAVE-D555 manual.

1-3-5 Version 2.20 to 2.30 Changes

Time Tracking Function

When you finish an editing procedure, the recorder and player OUT points are automatically moved as the following IN points. Further, if the recorder IN point is modified through a new editing operation, the player IN point is modified automatically (automatic time tracking). Even if you modify the player IN point and time tracking is lost, you can manually return it to its original position (manual time tracking).
For details, see "Time tracking function" (page 3-55).

REC OFF Function

When editing with a specified OUT point or duration, or editing without specifying an OUT point (OPEN END Edit), pressing the MAVE-F555 EXECUTE/REC key modifies or sets the OUT point and ends the current recording.

Saving and Recalling Cut Point Information

When the MAV-555 is turned off, cut point and other such editing information is cleared and cannot be retrieved. However, you can save and recall the cut point information by pressing the STORE key while holding the SHIFT key.
For details, see Section 3-2-2 "Save and Recall Cut Point Information" (page 3-14).

Removing Recorder Port Restrictions

When erforming the following operations, it is now possible to specify the MAV-555 RP port or a VTR as the recorder port.
- Adjusting the recording level using the Editing Fader Panel.
- Performing audio channel mix or swap editing.

Video Support of Voice Over Editing

Voice over editing can be performed and added at the end of edited material. It is now also possible to add video in the same manner.
For details, refer to Section 2-2-2 "Voice Over Editing" of the MAVE-D555 operation manual.

RP Port Availability

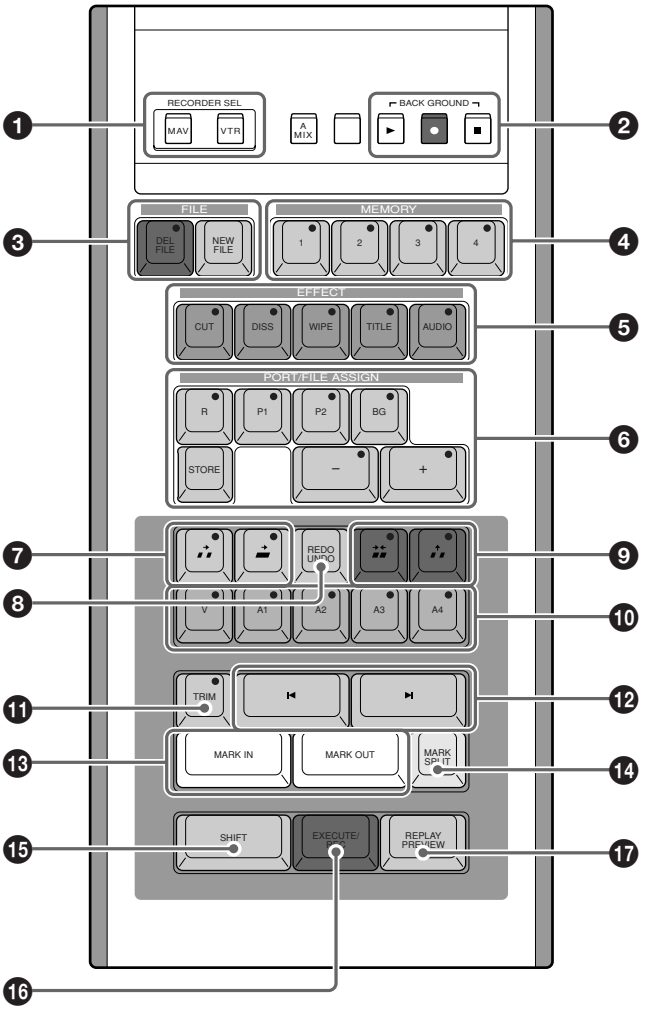
If you select [MAV] with the recorder selection function and that the MAV-555 RP port is set to the P1 key, it is possible to assign several keys to the same port. Pressing the R or P1 key automatically switches between a Recorder and Player file. This way, it is possible to use the RP port to perform cut editing. You can also use the P2 port with another broadcast application for "On Air" purposes.

File Backup Function

If the power to the MAV-555 is accidentally cut while you are editing a file, the "Backupxxxxx" file (where xxxxx is the date, for example: 05.20-14:00) is automatically created. Therefore, if this happens and the edited file is deleted, you can continue editing using the backup file. However, if the edited file is unloaded before the power is cut, backup is not possible.

1-4 Names and Functions of Parts

1-4-1 Console



❶ RECORDER SEL (recorder select) operation section

MAV key and VTR key

These keys switch the files/ports controlled by the keys (R, P1, and P2 keys) in the MAVE-F555 FILE/PORT ASSIGN operation section ❻ and the connection configuration of the IN1/IN2/OUT1/OUT2 connectors internal to the MAVE-F555. The currently selected key lights. When switching, press the desired key for two seconds or more.
For details, see Section 3-4, "Recorder Selection Function" (page 3-61).

Pressing a lit key (MAV or VTR key) while the SHIFT key is depressed switches the display of superimposed indications for the selected key on or off.

❷ BACK GROUND operation section

[▶] key, [●] key, and [■] key

When the MAVE-F555 is connected to the MAV-555 through the TO MAV connector, use these keys to start playback, start recording, or stop operation on the MAV-555 background port.
See Section 3-3, "Background Operation" (page 3-57).

When the MAVE-F555 is connected to the MAV-555 through the TO MAV (PARALLEL I/O) connector, use these keys to start playback, start recording, or stop operation on the port being controlled on the MAV-555.
See Chapter 4, "Operations When Multiple MAVE-F555 Units Are Connected to the MAV-555" (page 4-1).

❸ FILE operation section

DEL FILE (delete file) key
Use this to delete a file on the MAV-555.

NEW FILE key
To start editing on the MAV-555, this creates a new BLACK/MUTING file, and loads it to the MAV-555 port to which the R key is assigned.

❹ MEMORY keys (1 to 4)

You can register frequently used files, effect patterns, or saved cut point information on the MAV-555 to each key for keys 1 to 4. You can then recall the registered file or effect pattern stored under a key simply by pressing it (to assign the port currently being controlled).
See "Registering Frequently Used Files" (page 3-4).
For details about registering effect patterns, read the MAVE-D555 operation manual.
See "Recalling saved cut point information" (page 3-15).

❺ EFFECT operation section

With the exception of the CUT key, the following keys are enabled only when the MAVE-D555 is connected.

CUT key
Use for cut editing.

DISS key
Use for dissolve editing.

WIPE key
Use to select a wipe pattern on the MAVE-D555.

TITLE key
When applying effects, use to insert text and graphics (TITLE key) or use when inserting text and graphics (DSK: Downstream key) into a cut to which effects have already been applied.

AUDIO key
Use to adjust the playback level when the MAVE-D555 and BKNE-1011 are connected.

❻ FILE/PORT ASSIGN operation section

R, P1, P2, and BG keys
Selects the target operation port from the MAVE-F555 (and MAVE-D555 or BVE-series editor). Which device (MAV-555 or VTR) is physically controlled when you press one of these keys depends on which of the MAV key and VTR key in the RECORDER SEL operation section (1) is selected.

STORE key
Use to store a file, effect settings or cut point information to the MEMORY key.

– key and + key
These change the file on the MAV-555 port currently controlled from the MAVE-F555. The file change occurs in the sequence of the MAV-555 internal file numbers.

Note
These keys light only for menu page operation.

❼ Editing mode keys

[ ] key (INSERT mode key) and [ ] key (OVERWRITE mode key)
These select the editing mode for nonlinear editing.
See Section 3-2-4, "Cut Insertion/Replacement" (page 3-17), and Section 3-2-5, "Cut Overwriting" (page 3-26).

❽ UNDO/REDO key

During editing, this cancels an editing operation (UNDO) or redoes the operation (REDO).
See Section 3-2-13, "Undoing and Redoing an Editing Operation" (page 3-55).

❾ Editing mode keys (for delete operations)

[ ] key (EXTRACT mode key) and [ ] key (LIFT mode key)
These select the editing mode when carrying out a delete in nonlinear editing.
See Section 3-2-6, "Deleting a Cut" (page 3-32).

Note
The keys ❼ and ❾ are four in total, and switching among these keys is such that at one time only one can be selected. In nonlinear editing, the editing operations determined by the currently selected key are possible.

⓾ Channel specification keys

V, A1, A2, A3, and A4 keys
Specifies the channel targeted for editing.

⓫ TRIM key
Use for trimming the IN and OUT points after inserting or writing over cuts in the nonlinear (or linear) editing mode.

⓬ Cut jump operation section
In nonlinear editing (or linear editing), these cue up sequentially (“cut jump”) to a cut point in a file subject to editing loaded on the port.
See Section 3-2-1, “Cut Jump Function” (page 3-11).

⓭ MARK IN key and MARK OUT key
In editing operations, these specify an IN point or OUT point.

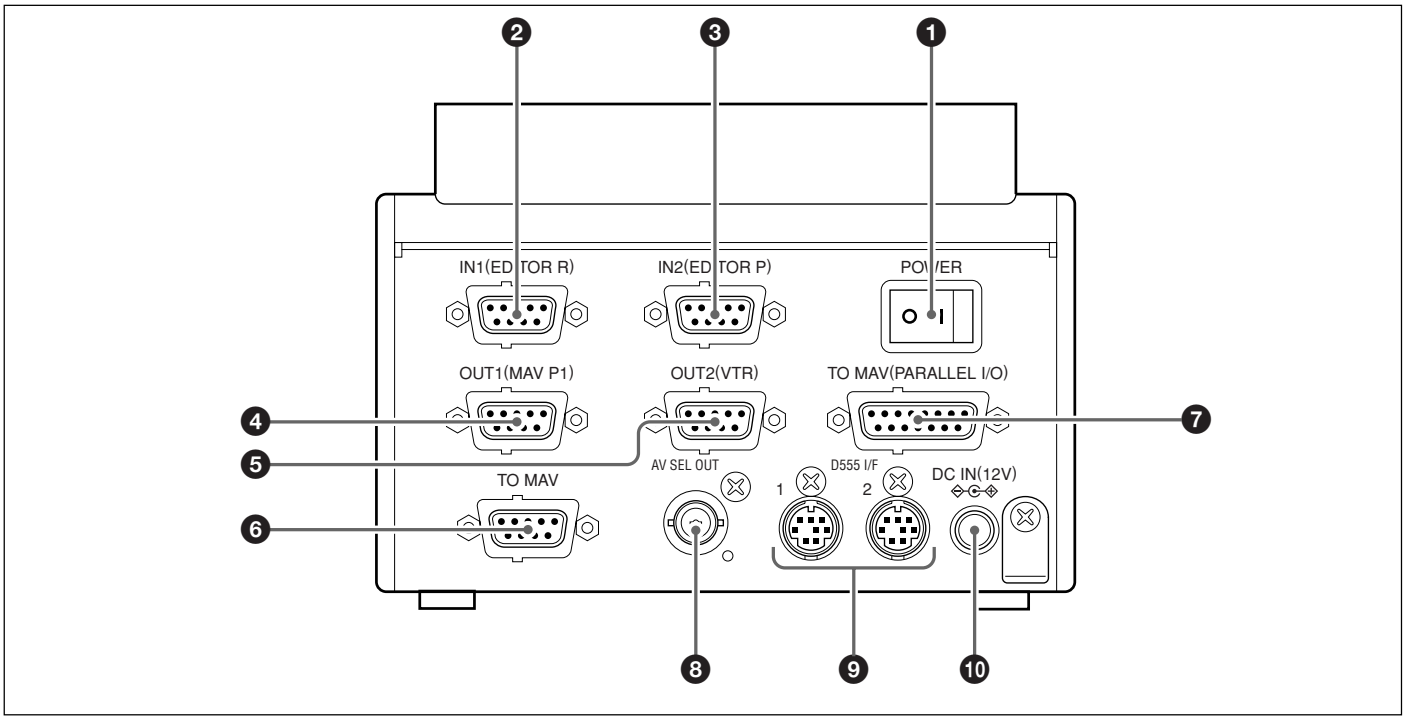
⓮ MARK SPLIT key
Use for split editing.

⓯ SHIFT key
This key is used in combination with other keys, for specific operations.

⓰ EXECUTE/REC (execute/recording) key
In file operations or editing operations, press this to confirm an operation.
When editing, pressing the EXECUTE/REC key ends editing and the point when the key is pressed is set as the OUT point.

⓱ REPLAY/PREVIEW key
Press the PREVIEW key to view the content of the previous edit on the monitor before executing the next edit. Press REPLAY (SHIFT+PREVIEW) key to view the edit results after the edit is completed.

1-4-2 Rear Panel Connectors



❶ POWER switch
This turns the power on and off.

❷ IN1 (EDITOR R) connector (D-sub 9-pin)
When using the MAVE-F555 recorder selection function and simple switcher function, connect to the editor RECORDER REMOTE connector.

❸ IN2 (EDITOR P) connector (D-sub 9-pin)
When using the MAVE-F555 recorder selection function and simple switcher function, connect to the editor PLAYER REMOTE connector.

❹ OUT1 (MAV P1) connector (D-sub 9-pin)
When using the MAVE-F555 recorder selection function and simple switcher function, connect to the MAV-555 REMOTE IN2 (P1) connector.

❺ OUT2 (VTR) connector (D-sub 9-pin)
When using the MAVE-F555 recorder selection function and simple switcher function, connect to the VTR REMOTE IN connector.
For details of the recorder selection function and simple switcher function, see Section 3-4, "Recorder Selection Function" (page 3-61).

❻ TO MAV connector (D-sub 9-pin)
When using all functions of the MAVE-F555, connect to the MAV-555 REMOTE SPARE connector.

❼ TO MAV (PARALLEL I/O) connector (D-sub 15-pin)
When using only the MAVE-F555 file selection function, connect to the MAV-555 REMOTE PARALLEL I/O connector.
For details of operations possible when connecting the MAVE-F555 to the MAV-555 through this connector, see Chapter 4, "Operations When Multiple MAVE-F555 Units Are Connected to the MAV-555" (page 4-1).
For details of pin assignments for connection, refer to the MAVE-F555 installation manual, and MAV-555 installation manual.

❽ A/V SEL OUT connector (BNC)
When using the MAVE-F555 recorder selection function and simple switcher function, connect to an external A/V selector. For the connection, the external A/V selector must correspond to the MAVE-F555 signals.

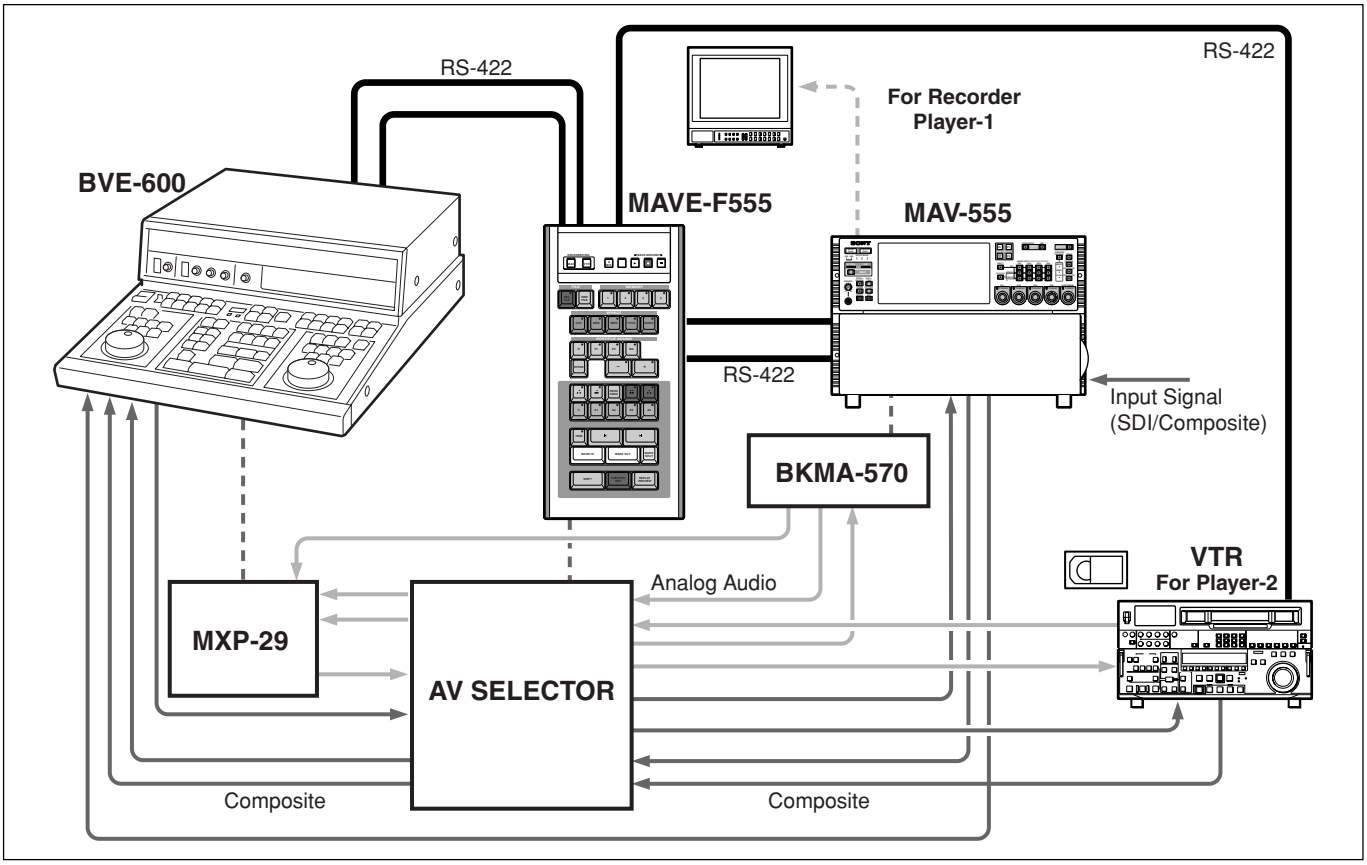
❾ D555 I/F connectors (Mini DIN8pin)
Connectors provided for connecting the MAVE-D555. However, the D555 I/F2 cannot be connected.

❿ DC IN connector
Connect the supplied AC adapter.

2-1 Example System Configurations and Device Connections

2-1-1 Example System Configuration (1) - for Linear/Nonlinear Editing

The following shows an example system configuration for a linear-like nonlinear editing system, in combination with a BVE-series editor.



With the configuration shown above, the following two states can be used, with a single button operation to switch between them: (1) the MAV-555 RP port as recorder, the VTR as player 1, and the MAV-555 P2 port as player 2, and (2) the VTR as recorder, the MAV-555 RP port as player 1, and the MAV-555 P2 port as player 2. This switching operation is referred to as the MAVE-F555 "recorder selection function."
In state (1), you can exploit the features of the MAV-555 for nonlinear editing (for material on the recorder, cut jump, cut insertion, deletion, and so on). You can seamlessly carry out operations such as using the BVE-series editor search dial to search for an edit point, and using the MAVE-F555 keys to specify edit points or execute editing, thus realizing extremely smooth nonlinear editing operations. On the other hand, by switching to state (2), you can easily transfer the editing results created on the MAV-555 to a VTR. Further, you can also carry out background recording/playback controlled from the MAVE-F555.

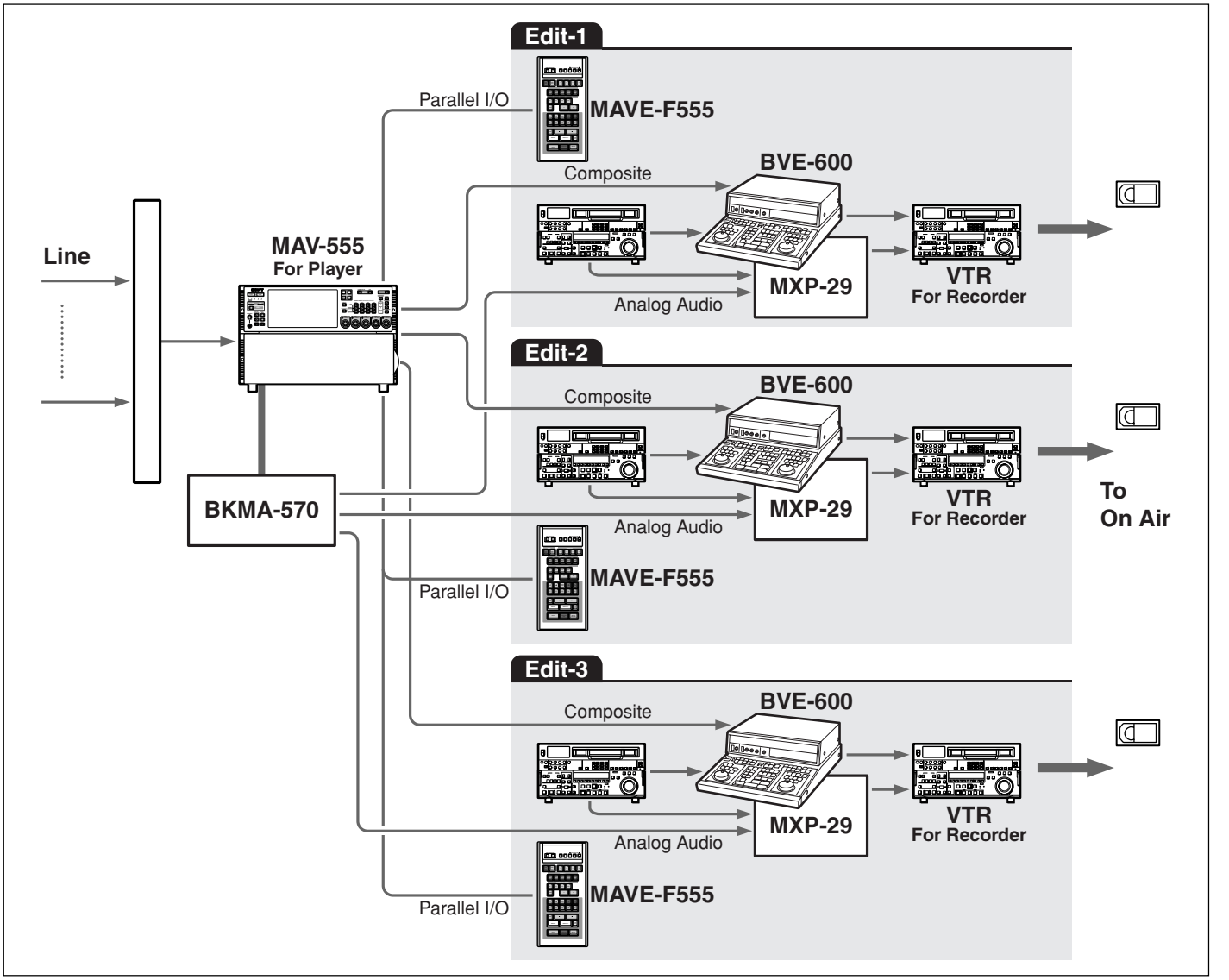
Note

To be connected to the MAVE-F555, the MAV-555 must be at least version 2.10.
For details of the device connections for this example system configuration, see the section "Connection with the TO MAV connector" (page 2-3).
For details of operations for this example system configuration, see Chapter 3.
For details of the recorder selection function, see Section 3-4, "Recorder Selection Function" (page 3-63).

2-1-2 Example System Configuration (2) Connecting Multiple MAVE-F555 Units to the MAV-555

The following shows an example system configuration in which three MAVE-F555 units are connected to a single MAV-555, and the MAV-555 is used for line accepting recording, while the three MAV-555 playback ports* are used for distributed editing/broadcasting.

* When using a 1 input/3 output port configuration



With such a configuration, from each of the MAVE-F555 units connected to the MAV-555, you can carry out file assignment and playback operations on the corresponding controlled port. Editing/broadcasting is possible simultaneously in parallel on the three channels, using material being recorded or MAV-555 internal material.

Note

To be connected to the MAVE-F555, the MAV-555 must be at least version 2.10.

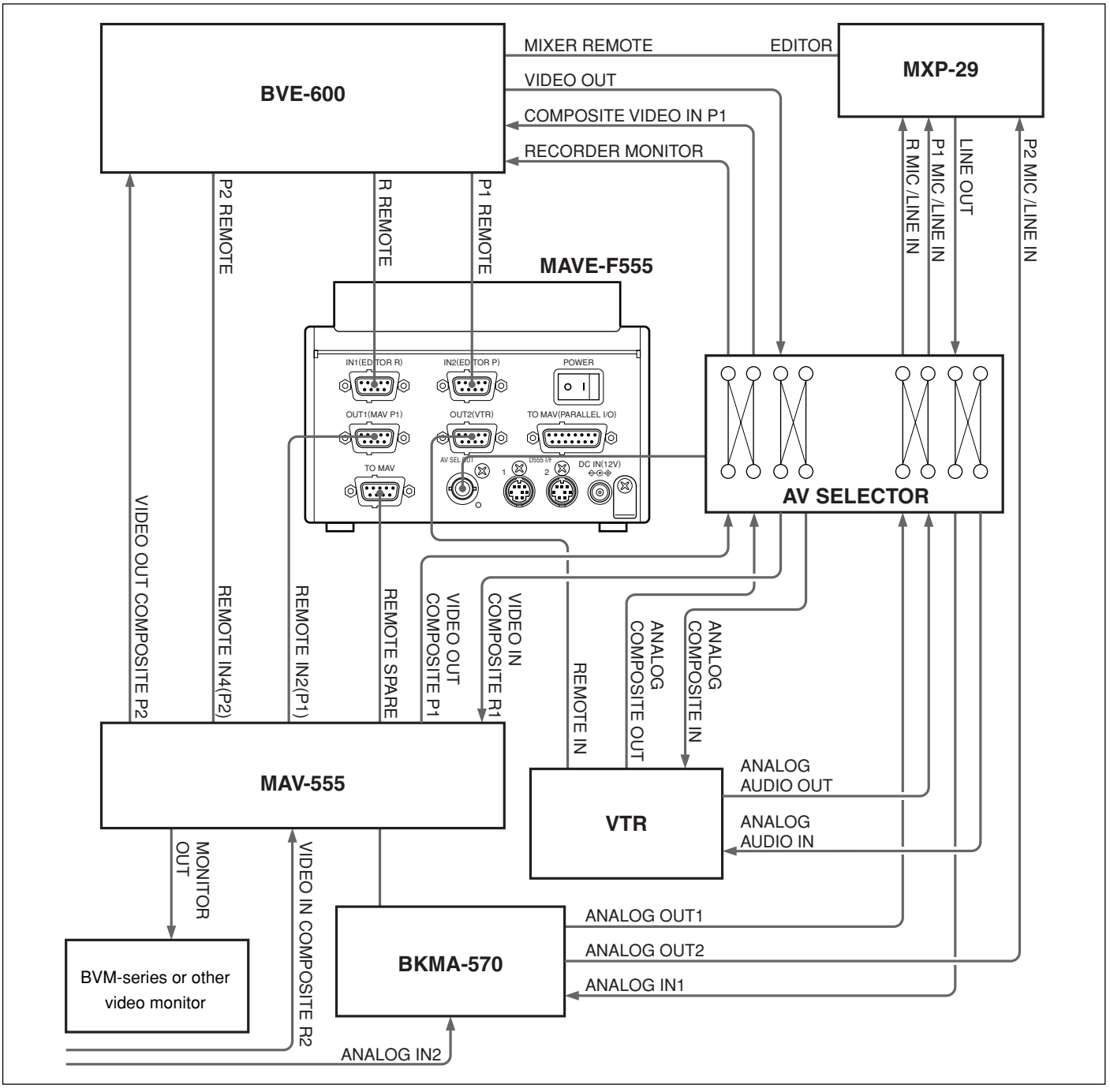
For details of the device connections for this example system configuration, see the section "Connection with the TO MAV (PARALLEL I/O) connector" (page 2-4).

For details of operations for this example system configuration, see Chapter 4.

2-1-3 Connecting the MAVE-F555 and MAV-555

Connection with the TO MAV connector

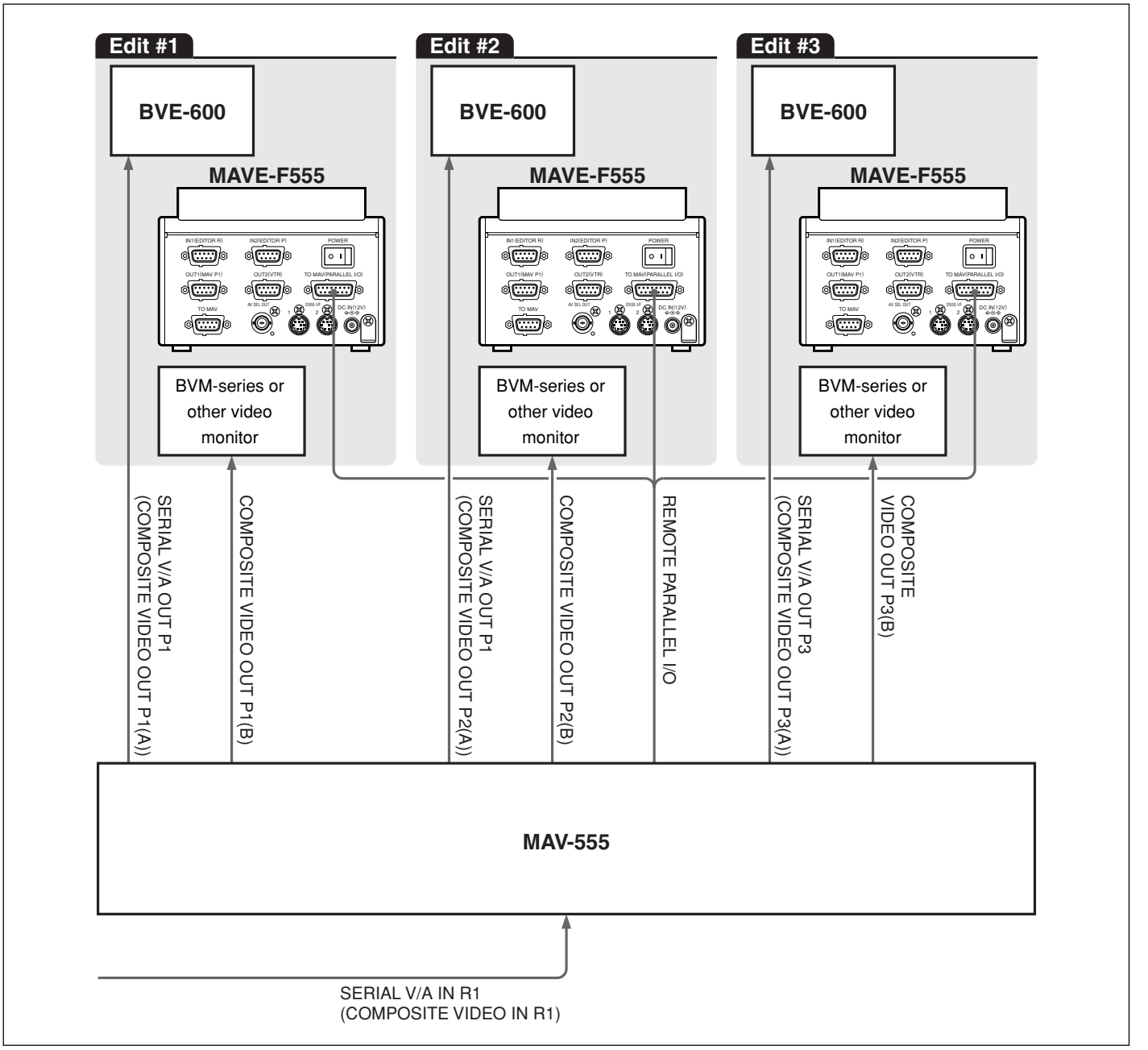
To fully exploit the nonlinear editing, background operation, recorder selection function, and other functions of the MAVE-F555, connect the TO MAV connector of the MAVE-F555 to the REMOTE SPARE connector of the MAV-555. Connections of other devices to the MAV-555 are the same as when the MAV-555 operation mode is set to BVE mode.



For details of RS-422 connections between the MAVE-F555 and other devices, see Section 3-4, "Recorder Selection Function" (page 3-63).

Connection with the TO MAV (PARALLEL I/O) connector

When using multiple MAVE-F555 units connected to a single MAV-555, connect the TO MAV (PARALLEL I/O) connector of the MAVE-F555 to the REMOTE PARALLEL I/O connector of the MAV-555. Connections of other devices to the MAV-555 are the same as in the other MAV-555 operation modes.



Note

With the above connections, the operations possible from the MAVE-F555 are restricted to file assignment on the port being controlled, and playback start/stop (when the port being controlled is a playback port) or recording start/stop (when the port being controlled is a recording port).

For more details, see Chapter 4, "Operations When Multiple MAVE-F555 Units Are Connected to the MAV-555" (page 4-1).

2-2 Settings on the MAV-555

2-2-1 Operation Mode Setting

It is necessary to set the MAV-555 operation mode according on the application of the system configuration. Carry out the setting in the MAV-555 basic menu item 019 “SYSTEM OPERATE CONFIG.”

- When conducting editing operations with the MAVE-F555 in combination with a MAVE-D555 or BVE-series editor (see Chapter 3 of this operation manual), switch the MAV-555 operation mode to BVE mode.
- When using multiple MAVE-F555 units connected to a single MAV-555 through the TO MAV (PARALLEL I/O) terminal, set the MAV-555 to PANEL mode if you simply want to perform file assignment and recording/playback control (see Chapter 4 in this manual).

For details of the MAV-555 basic menu setting operations and the operation modes, refer to the MAV-555 Operation Manual.

2-2-2 Port Settings

Depending on the connection configuration of the MAVE-F555 and external devices, set MAV-555 Expansion menu item 324, “MAVE-F555 PORT” as required. Making the port setting requires you to understand the MAVE-F555 recorder selection function.

For details of the recorder selection function, see Section 3-4, “Recorder Selection Function” (page 3-63). For the MAV-555 port setting, see Section 3-4-1, “Settings on the MAV-555” (page 3-63).

Note

When multiple editing panels are connected to a single MAV-555 through the TO MAV (PARALLEL I/O) terminal, there is no need to make port settings on the MAV-555 as long as the editing panel is used simply to make file assignments or control recording/playback (see chapter 4).

2-2-3 Settings for Superimposed Indications

Various messages appear superimposed on the monitor screen connected to the MONITOR OUT connector of the MAV-555, reflecting operations from the MAVE-F555.

R		[	M	A	V		R	p	]									N	o	0	0	0	3
										C	h	i	c	a	g	o	*	O	r	l	a	n	d

(Example display)

You can adjust the position of the superimposed indications using “V POSITION” in the MAV-555 Expansion menu item 323 “LINEAR EDIT MESSAGE.”

Displayed message disappear after a preset time, and you can set this time using “FADE TIME” in the MAV-555 Expansion menu item 323 “LINEAR EDIT MESSAGE.”

For details of MAV-555 Expansion menu setting operations, refer to the MAV-555 Operation Manual.

2-2-4 Settings for Changing File Times

When using the + and – keys to select files on the MAV-555, you can set the amount of time before a file actually loads after key operation is completed. For example, if the time is set to 0.5 seconds, a list of files registered on the MAV-555 is shown on the superimposed monitor display while the + and – keys are pressed repeatedly. The currently displayed file starts loading 0.5 seconds after you stop key operation (it takes approximately 1 second for the file to load).

Make this setting in the FILE CHANGE TIME sub menu of MAV-555 Expansion menu item 320 MAVE-F555 CONTROL. However, the FILE CHANGE TIME of the sub menu is the same for the time to cue-up after the cut/jump operation with continuous key presses ends.

For MAV-555 Expansion menu settings, refer to the MAV-555 Operation Manual. For how to select MAV-555 files from the editing panel, see Section 3-1-1, "File Selection" (page 3-1).

2-2-5 Settings with the MAVE-D555

For details about controlling an external VTR with a MAVE-D555 connected to the MAVE-F555, see page 3-40 of this operation manual.

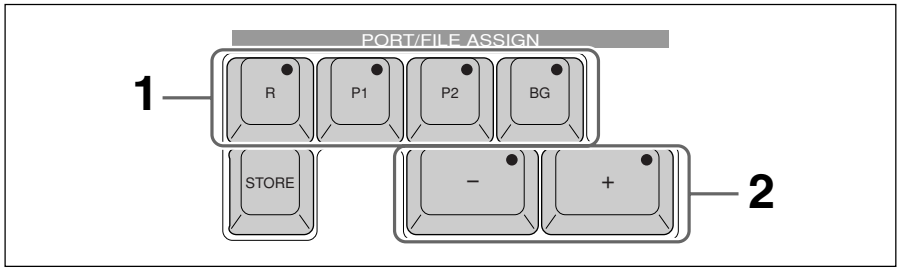
3-1 Operations for Linear Editing (Operations in File Units)

The MAV-555 handles material in units referred to as files. Therefore, to carry out recording or playback using the MAV-555, operations corresponding to loading a tape on a VTR are required, that is, creating a new file (for new recording) or selecting an already recorded file (assignment). Using the MAVE-F555, you can carry out operations which cannot be carried out from a BVE-series editor, selecting or creating files on the MAV-555.

3-1-1 File Selection

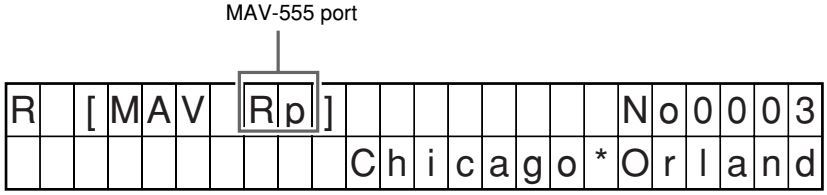
Selecting a file

Various messages appear superimposed on the monitor screen connected to the MONITOR OUT connector of the MAV-555, reflecting operations. Carry out operations while checking the monitor screen.



To select a file, use the following procedure.

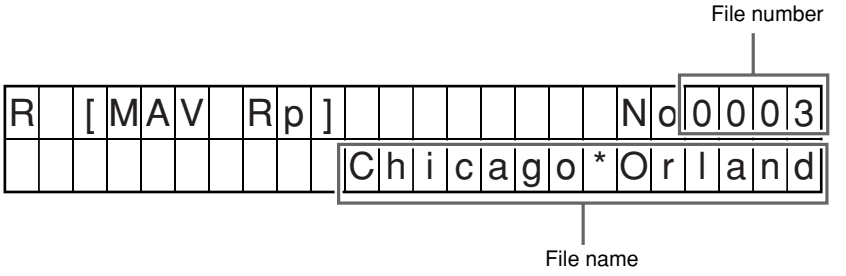
1 Press one of the R, P1, P2, and BG keys, and specify the port (on the MAV-555) on which you want to make the file selection.



If you press the R, P1, or P2 key, the MAV-555 port selection depends on the MAV-555 port settings and the current recorder selection. If you press the BG key the selected MAV-555 port (background port) depends on the circuit board configuration of the MAV-555.

For details of MAV-555 port setting, see Section 2-2-2, "Port Settings" (page 2-5).
For details of the recorder selection function, see Section 3-4, "Recorder Selection Function" (page 3-63).
For details of the background port, see Section 3-3, "Background Operation" (page 3-59).

2 Use the – / + keys to select a file.
Each time you press a key, the file changes in the sequence of the MAV-555 internal file numbers.



Selecting a File with the MAVE-D555 Search Dial

When the MAVE-D555 is connected to the MAV-555, files can be selected with the search dial on the MAVE-D555.

1 On the MAVE-D555 press the R, P1, P2, or BG key to specify the MAV-555 port for file selection.

2 Press the + and – keys together.
The file list is displayed on the monitor screen.

3 Turn the MAVE-D555 search dial to move the pointer to a file in the list.

4 To open the file currently designated by the pointer, on the MAVE-F555 press the EXECUTE/REC key.
To remove the designated file from the list, on the MAVE-D555 press the ALL STOP key.

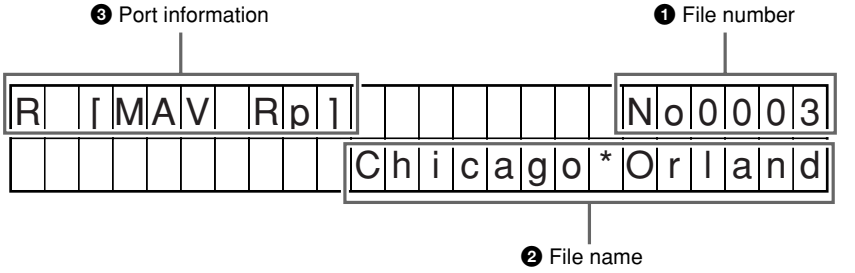
Notes

- The file selection can only be carried out for an MAV-555 port. The above operation is invalid for a port to which a VTR is connected.
- If you press the + and – keys as explained above in "Selecting a File with the MAVE-D555 Search Dial" a list of files registered on the MAV-555 is displayed, but the actual file loading does not start until the specified time has elapsed after the last key press. You can use the MAV-555 to set the amount of time to elapse after the last key press before the file starts loading.

For details on these settings, see Section 2-2-4, "Settings for Changing File Times" (page 2-6).

Superimposed port/file indications

As when carrying out a file selection operation, if you change the operation port or carry out file assignment, a superimposed port/file indication appears on the monitor screen connected to the MAV-555 MONITOR OUT.



❶ File number

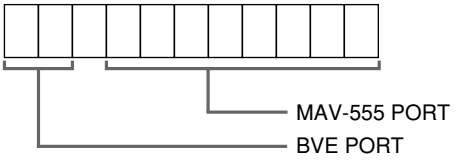
Displays the file number assigned to the current port.

❷ File name

Displays the file name assigned to the current port.

❸ Port information

Shows the correspondence between the port names on the MAVE-F555 (and MAVE-D555 or BVE-series) and the MAV-555 port names. The indicators are as follows.



Position	Meaning
BVE PORT	Displays the target channel currently selected for editing.
MAV-555 PORT	Displays the MAV-555 port currently selected, corresponding to the R, P1, P2, BG keys on the MAVE-F555. **Port Selected** — **Display** R1P1 — MAV RP R2 — MAV R2 P2 — MAV P2 P3 — MAV P3 VTR — VTR

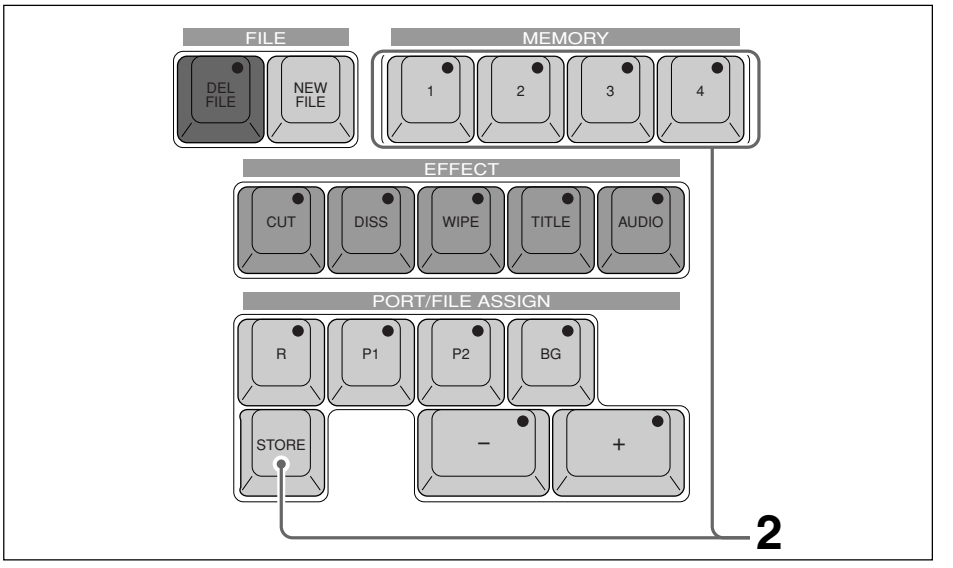
For details of MAV-555 ports selected corresponding to the MAVE-F555 R, P1, P2, and BG keys, see Section 2-2-2, "Port Settings" (page 2-5) and Section 3-4, "Recorder Selection Function" (page 3-63).

Note

When you press one of the MAVE-F555 keys once (R, P1, P2, or BG) for the currently selected port, the Recorder and Player information is displayed at one time superimposed on the monitor screen.

Registering Frequently Used Files

You can register frequently used files on the MAV-555 to the four MEMORY keys on the MAVE-F555. After registration, by simply pressing a MEMORY key you can assign the file to the port currently being controlled.



To register a file to a MEMORY key, use the following procedure.

1 Using the procedure in section “Selecting a file” (page 3-1), select the file you want to register.

2 Hold down the STORE key, and press one of the MEMORY keys (1 to 4).
This registers the file selected in step 1 to the MEMORY key.
The indicator for the memory key to which you have registered the file lights.

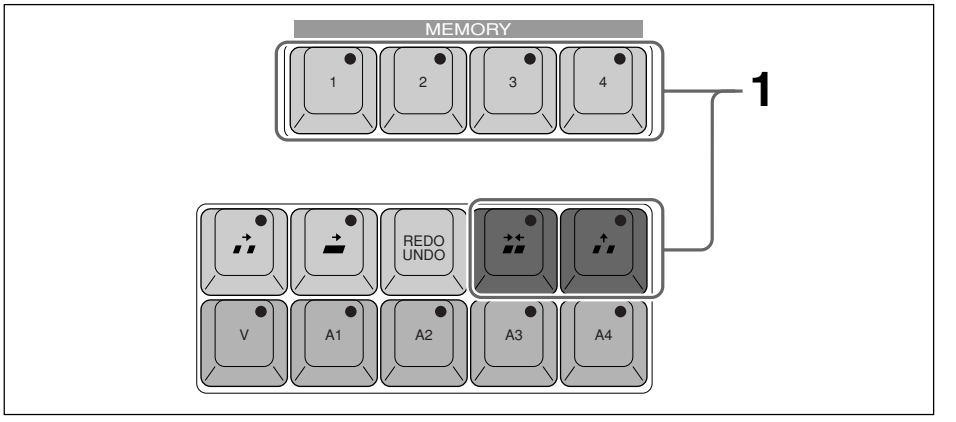
To recall a registered file

Press the MEMORY key to which you have registered the file you want to recall.
This closes the file assigned to the port currently being controlled, and recalls the file registered to the MEMORY key.

Note

The registration of files to MEMORY keys is not separately by port. Irrespective of the selected port when you made the registration, the same file is registered to a single MEMORY key.

Canceling Registration of Files in MEMORY Keys



1 Hold down the [⇢⇠] (or [⇡⇣] key), and press the MEMORY key that you want to clear.

2 Registration of the file is canceled, and the indicator on the MEMORY key that you pressed goes off.

Note

The information registered under the MEMORY keys corresponds to the information registered for each BANK in the Setup menu.

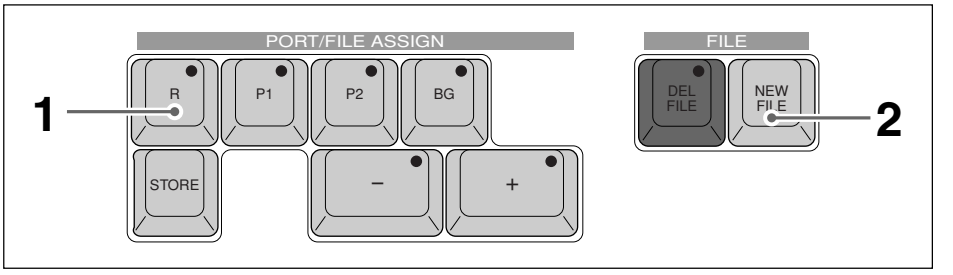
Using the CLEAR key on the MAVE-D555 to cancel registration of files under memory keys

1 Press the CLEAR key on the MAVE-D555. (The key indicator lights).

2 Press the number of the MEMORY key that you want clear.
The registration is canceled and the CLEAR key goes off.

3-1-2 Creating a New File

Creating a new file



You can create or load a new file to start editing using the following procedure.

1 Press the MAVE-F555 R key, and select an MAV-555 port.

2 Press the NEW FILE key.
This closes the file assigned to the current port, and creates a new BLACK/MUTING file, which is loaded on the current port.

Notes

- The overall length of a new file is the length specified by the MAV-555 Expansion menu item 321 "LINEAR EDIT NEW FILE" plus 15 seconds.
  For more details, see the MAV-555 Operation Manual.
- When the R key is not selected, the NEW FILE key is invalid.
  For details of the "MAVE-F555 PORT" setting, see Section 3-4, "Recorder Selection Function" (page 3-63).

Copying an existing file

You can copy an existing file on the MAV-555, and open it. This operation is convenient in the following cases.

- When you create a single editing template file on the MAV-555, which includes a title or color bars, and make a copy each time you start editing.

To copy a file opened on the current port

Hold down the NEW FILE key, and press the key (R, P1, P2, or BG key) for the current selected port.

- This duplicates the file opened on the currently selected port, and opens the duplicate file on the currently selected port.
- The file used to make the duplicate can now be opened on another playback port.

For example, if the port corresponding to the R key is currently selected, hold down the NEW FILE key and press the R key to make a duplicate of the file which was opened on the port for the R key, close the original file, and open the duplicate file on the port for the R key.

To copy a file registered to a MEMORY key

You can create a copy of a file registered to a MEMORY key of the MAVE-F555, and open it on the currently selected port. Hold down the NEW FILE key, and press the MEMORY key to which the file you want to copy is registered (one of 1 to 4).

- This duplicates the file registered to the key you pressed, and opens the duplicate file on the currently selected port.

File names of created files

When you make a copy of an existing file with the above operation, it takes the name of the original file with a number suffix. For example, if you copy a file named “Program” as above, the copies will be named “Program.1,” “Program.2,” and so on in sequence.

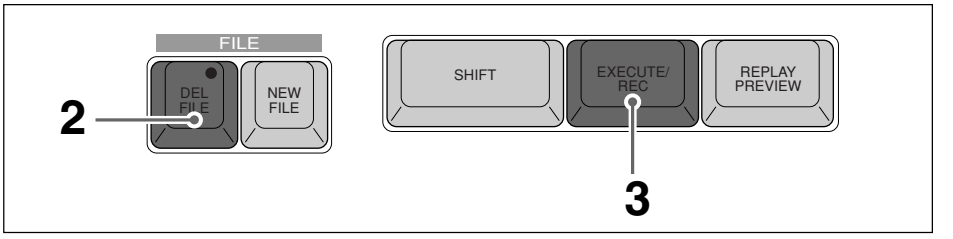
For details of file names, see the MAV-555 Operation Manual.

Note

Opening a copy of an existing file is not possible on the BG port when the BG button on the MAVE-F555 has been assigned to the R2 port of the MAV-555. In this case, both the operation of pressing the NEW FILE key + BG key and the operation of pressing the NEW FILE key + MEMORY key are invalid.

3-1-3 Deleting Files

To delete a file



To delete a file on the MAV-555, use the following procedure.

1 Follow the procedure under “Selecting a file” (page 3-1) to select the file you want to delete.

2 Hold down the SHIFT key and press the DEL FILE key.
- The DEL FILE key flashes.
- A confirmation message (Delete this File?), asking you to confirm deleting the file, appears on the monitor screen connected to the MONITOR OUT connector of the MAV-555.
- To cancel deleting the file, press the DEL FILE key once more. The DEL FILE key goes off, and the file delete pending state ends.

3 If you want to delete the file, press the EXECUTE/REC key.
- This deletes the file, and on the monitor screen “Delete Completed” appears.
- When you execute the delete operation, the file after the deleted file on the MAV-555 is loaded.

Notes

- In step 2 above, while the “Delete this File?” message is displayed, all key operations other than the DEL FILE key and EXECUTE/REC key are invalid.
- Regardless of the MAV-555 “FADE TIME” setting (see Section 2-2-3, “Settings for Superimposed Indications” (page 2-5)), the “Delete this File?” message remain displayed until you carry out the next operation.
- If the file currently opened on the background port (see page 3-59) is opened on another port, it is not possible to delete the file.

3-2 Operations for Nonlinear Editing (Operations in Cut Units)

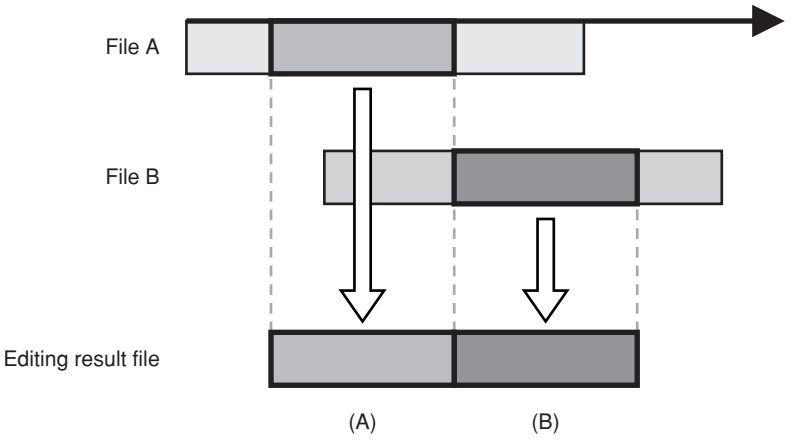
You can use the MAVE-F555 and an MAVE-D555 or BVE-series editor to operate the MAV-555 and conduct nonlinear editing operations such as adding or deleting a cut (operations that were not possible with only the conventional BVE-series editor).

Note

To carry out the nonlinear editing operations described in this section, it is necessary to set the MAV-555 operation mode to BVE mode.
For more details, refer to the MAV-555 Operation Manual.

Definition of "Cut"

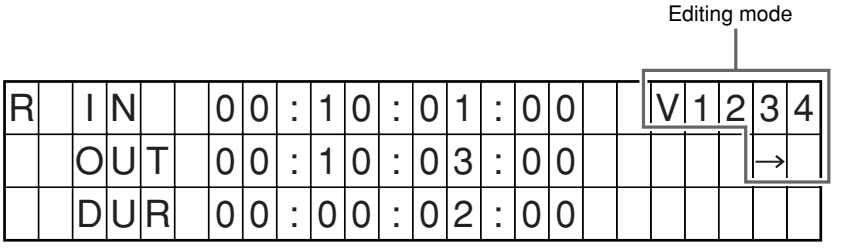
The term "cut" in this section refers to the unit in which you carry out editing, and to the editing unit within the editing result file. For example, suppose that using two files A and B you create the following editing result file.



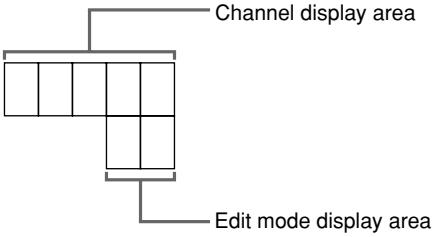
Here the sections (A) and (B) cut from files A and B are termed "cuts." The editing result file consists of the two "cuts" (A) and (B), and these parts of the editing result file are also referred to as "cuts."
The start and end points of each cut within the editing result file are termed "cut points."

Superimposed indication of editing mode

When carrying out editing operations in cut units, you can check the current editing mode by means of the superimposed indication on the monitor screen connected to the MONITOR OUT connector of the MAV-555.

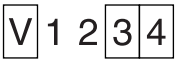


The editing mode indication appears as follows.



Position	Display
Channel display area	Displays the channel currently targeted for editing V Video channel on 1 Audio channel 1 on 2 Audio channel 2 on 3 Audio channel 3 on 4 Audio channel 4 on During Assemble editing, “ASMBL” flashes.
Edit mode area display	Displays the symbol corresponding to the select edit mode. ←→ Insert mode → Overwrite mode →← Extract mode ↑ Lift mode

In the channel display area, you can confirm the current position of the channel currently enabled for trimming.



The display above shows when VIDEO, AUDIO3, or AUDIO4 is enabled for editing.

For details about trimming, see Section 3-2-9, “Trimming a Cut” (page 3-41).
For details of INSERT mode, see Section 3-2-4, “Cut Insertion/Replacement” (page 3-19).
For details of OVERWRITE mode, see Section 3-2-5, “Cut Overwriting” (page 3-28).
For details of EXTRACT/LIFT mode, see Section 3-2-6, “Deleting a Cut” (page 3-34).

Note

When you press the MAVE-F555 key (one of R, P1, P2, and BG) corresponding to the currently selected port, the information for all of the ports appears superimposed on the monitor screen.

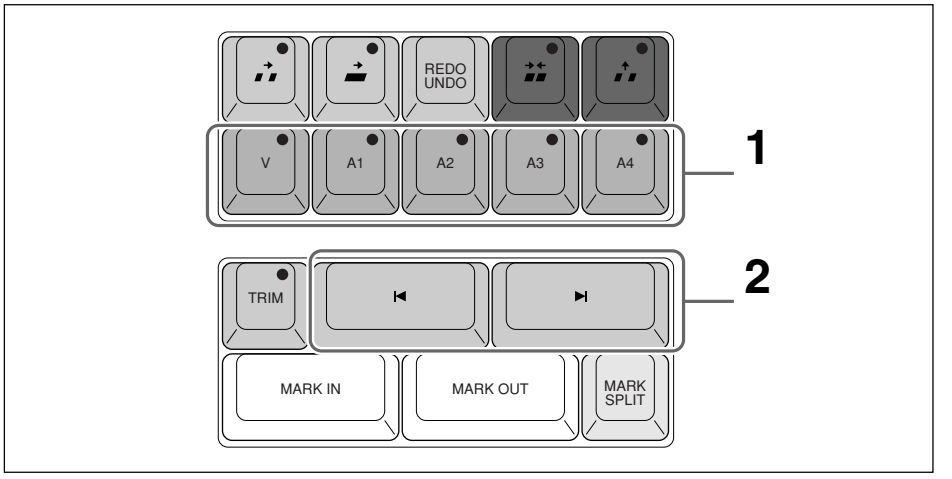
3-2-1 Cut Jump Function (Cueing Up to a Cut Point)

You can cue up to successive cut points in the file subject to editing loaded on the MAV-555 port. This is termed a “Cut jump.”

Note

When the MAV-555 is turned off before saving the cut point information, the information is cleared.
For details, see Section 3-2-2 "Save and Recall Cut Point Information" (page 3-14).

Cut Jumping on a Recorder Port

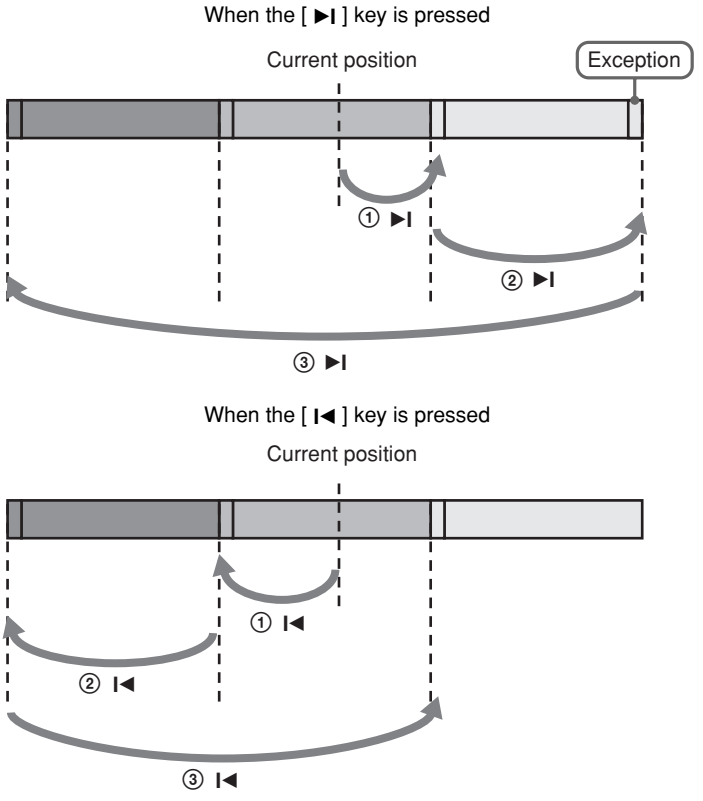


To perform a cut jump, use the following procedure.

1 Using the channel specification keys (V, A1, A2, A3, and A4), select the channel on which you want to search for the cut point.
Press the key corresponding to the channel on which you want to search for the cut point, turning on the indicator above the key. You can select more than one channel.

2 Press the [▶I] or [I◀] key to jump to the next or previous cut point.

- When you press the key to execute the cut jump, the indicator for the channel specification key corresponding to the channel on which the cut point was found lights during the cut jump operation.
- Each time you press a key, a cut jump is carried out as shown by ① to ③ in the figure below.
- As an exception, when the last cut in a file is displayed, pressing the [▶I] key jumps to the end of the file. When at the beginning of the file, pressing the [I◀] key jumps to the cut point that is closest to the end of the file.

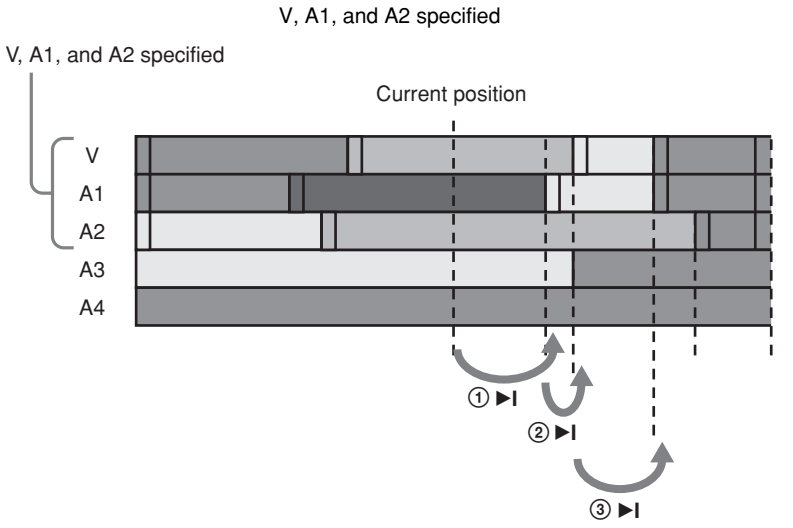


Notes

- If you press the [▶I] and [I◀] keys simultaneously, the indicator or indicators light for the channel specification keys corresponding to the channel used for the immediately previous cut jump (the channel(s) on which the cut point was found). For example, using the cut jump function when channel A1 is specified causes the A1, A2, and A3 channel indicators to light when cut points are found on channels A1, A2, and A3 channel indicators. This operation allows you to check the channel on which the cut point of the current cue up position is located.
- When the MAV-555 is used in a 2 input/2 output configuration and the file being recorded on the BG port has been opened for playback on another port, the [▶I] key cannot be used to control the cut jump function on the playback port. (It is only possible to cue to the beginning of the file by pressing the [I◀] key.)

Specified channels and cut jump positions

A cut jump involves the cut points on all channels selected with the channel specification keys. For example, if the three channels selected are V, A1, and A2, each time you press the [▶I] key, a cut jump is carried out as shown by ① to ③ in the figure below.



Consecutive Cut Jumps

When performing cut jumps with the [I◀] and [▶I] keys, the display on the superimposed monitor while the [I◀] or [▶I] key is pressed repeatedly displays alternately only the time data (or message) and the channel targeted for editing, and after key operation is finished, cue-up is executed after the specified time.
After key operation is completed, the time setting for cueing up to the cut point is determined by the “FILE CHANGE TIME” setting in the sub menu of the 320 “MAVE-F555 CONTROL” item of the Expansion menu. Also, the “FILE CHANGE TIME” submenu setting is the same as the time for file selection.

Cut Jumping on a Player Port

You can detect and jump in succession to disconnected LTC points of unedited files on a Player port.

Notes

- A specified cut jump cannot be performed on a channel.
- Contrary to the Recorder port, when the last cut in a file is displayed on a Player port, pressing the [▶I] key cannot jump to the beginning of the file. When at the beginning of a file, pressing the [I◀] key cannot jump to the cut point that is closest to the end of the file.
- Successive cut/jumps cannot be performed by continuous key presses.

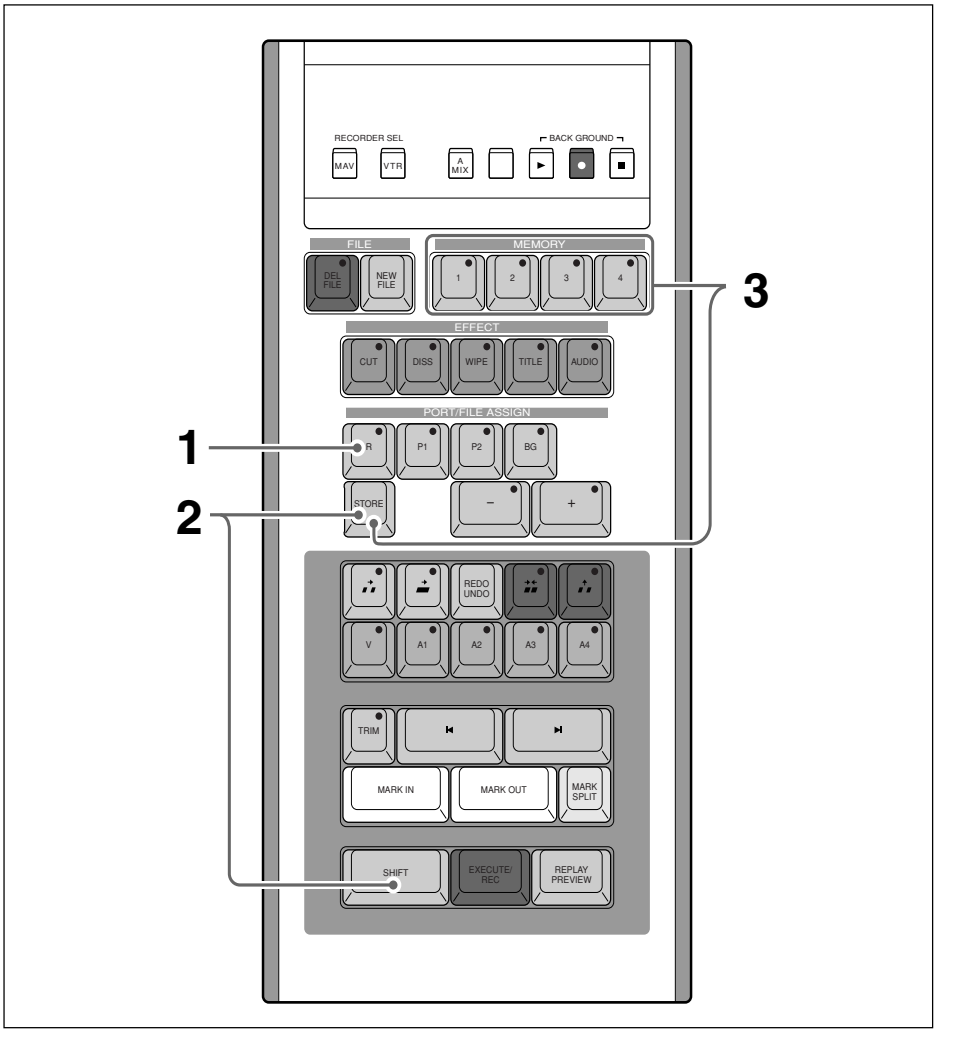
3-2-2 Save and Recall Cut Point Information

You can save and recall the cut point information of a file targeted for editing and loaded on an MAV-555 port.

Notes

- When the MAV-555 is turned off before saving the cut point information, the information is cleared.
- The display of superimposed indications must be turned on.

Saving recorder port cut point information



1 Press the MAVE-F555 R key, and then select the MAV-555 recorder port.

2 Hold down the SHIFT key, and then press the STORE key.
The current save status is superimposed on the display as EDL Memory.

3 Hold down the STORE key, and then press any MEMORY key from 1 to 4. The cut point information of the file loaded in Step 1 is saved in the MEMORY key pressed in Step 2.

Notes

- The cut point information at the time that you perform the procedure is saved. If you continue editing after saving the cut point information, the information is not updated until you perform this procedure again.
- If you want to save the cut point information automatically, set MAVE-D555 menu 1: Main, item 8: EDL AUTO SAVE to the number (MEMORY1 to 4) where you want to save the cut information file. When editing, the cut point information is saved automatically in the file number set here.

Recalling saved cut point information

1 Press the MAVE-F555 R key, and then select the MAV-555 recorder port.

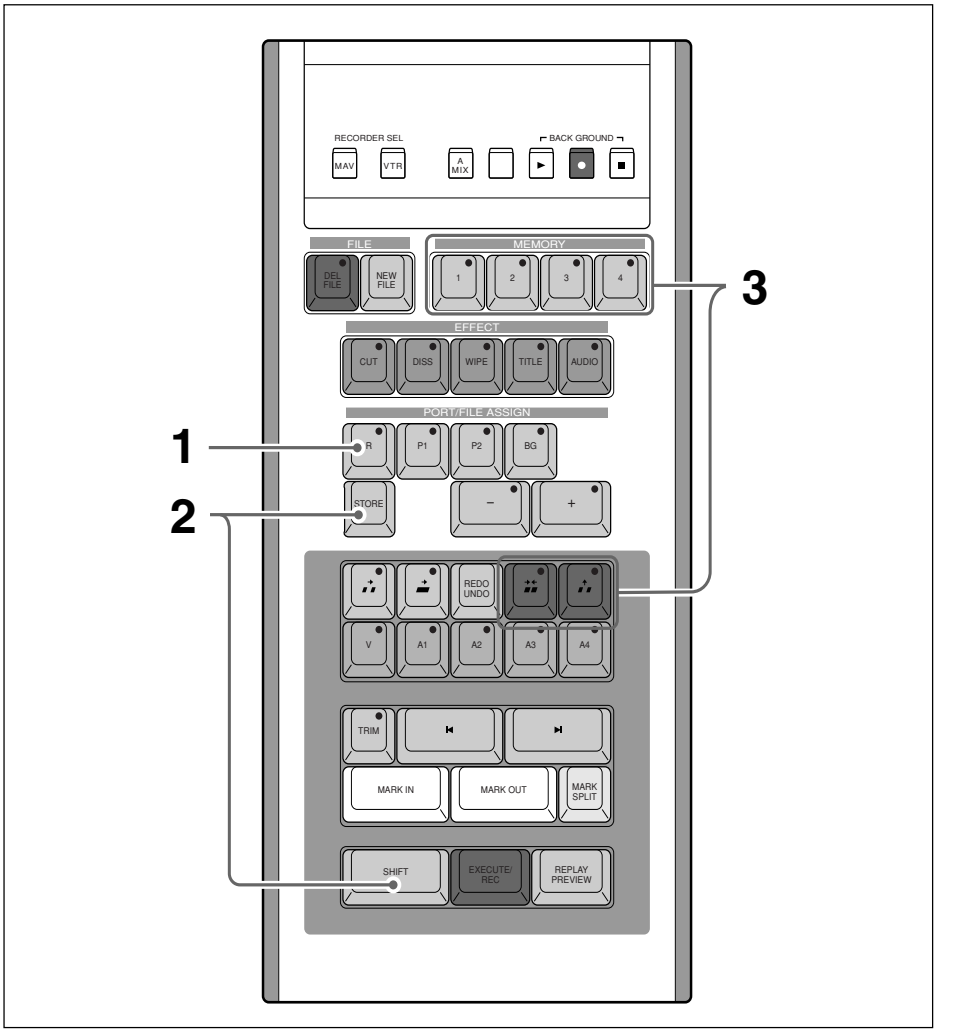
2 Hold down the SHIFT key, and then press the STORE key.
The current save status is superimposed on the display as EDL Memory.

3 Press one of the MEMORY keys from 1 to 4, depending on the file that you want to recall.
The cut point information of the file saved in the pressed key is recalled, the superimposed indications on the display disappear, and the file loaded to the recorder port.
If there is already a file loaded in the recorder port, the file that you recalled is loaded only after the current file is unloaded.

Note

If you recall the cut point information, you may no longer be able to trim some cuts.

Clearing saved cut point information



1 Press the MAVE-F555 R key, and then select the MAV-555 recorder port.

2 Hold down the SHIFT key, and then press the STORE key.
The current save status is superimposed on the display as EDL Memory.

3 Hold down the [ ] (or [ ]), and press the MEMORY key where the file that you want to clear is saved.
The cut point information is cleared and the MEMORY key lamp goes off.

Using the CLEAR key on the MAVE-D555 to cancel registration of files under MEMORY keys

1 Press the R key on the MAVE-F555, and then select the MAV-555 recorder port.

2 Hold down the SHIFT key, and then press the STORE key.
The current save status is superimposed on the display as EDL Memory.

3 Press the MAVE-D555 CLEAR key until it lights, and then press one of the MEMORY key from 1 to 4, depending on the file that you want to delete.
The cut point information is cleared and the CLEAR key turns off.

3-2-3 Editing Modes

On the MAVE-F555, there are four editing mode which you can use for different nonlinear editing operations.

INSERT mode
This is used for cut insertion or replacement.
See Section 3-2-4, "Cut Insertion/Replacement" (page 3-19).

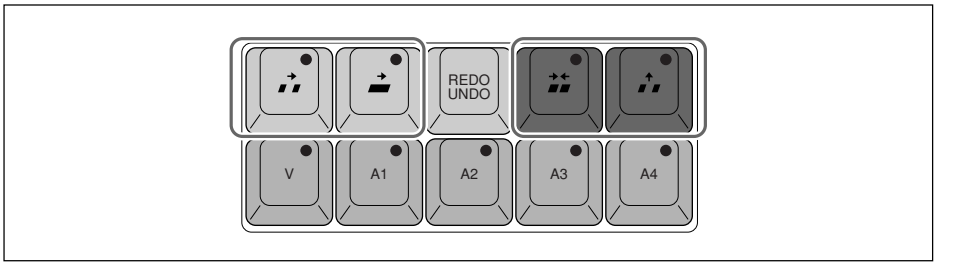
OVERWRITE mode
This is used for cut overwriting. When performing nonlinear insert editing with a VTR selected with RECORDER SELECT, please select the OVERWRITE mode.
See Section 3-2-5, "Cut Overwriting" (page 3-28).

EXTRACT mode
This is used for deleting a specified section. After deleting, the duration is reduced by the length of the specified section.
See Section 3-2-6, "Deleting a Cut" (page 3-34).

LIFT mode
This is used for deleting by replacing a specified section with BLACK/ MUTING data.
See Section 3-2-6, "Deleting a Cut" (page 3-34).

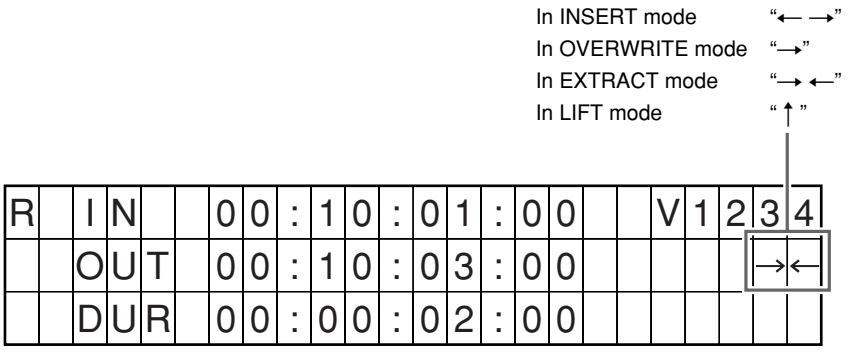
ASSEMBLE mode
This is used for performing Assemble editing with a VTR specified as the Recorder.

Selecting an editing mode



- To select the INSERT mode, press the [ ] key.
- To select the OVERWRITE mode, press the [ ] key.
- To select the EXTRACT mode, press the [ ] key.
- To select the LIFT mode, press the [ ] key.
- When you want to select the ASSEMBLE mode, hold down the SHIFT key and press the V key to switch off the V, and A1 to A4 keys.

You can check the currently selected mode by the indicator above the key lighting, and by the indication on the monitor screen connected to the MONITOR OUT connector of the MAV-555.



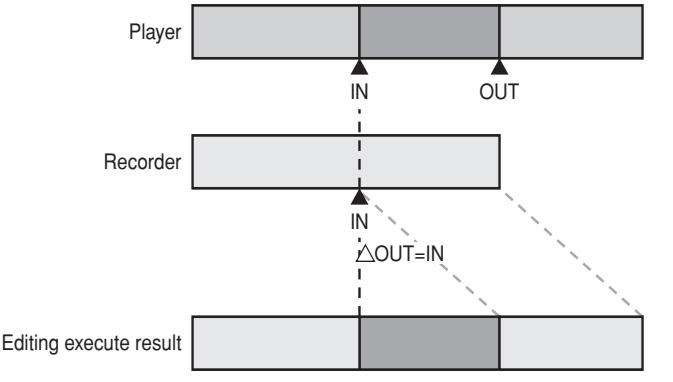
3-2-4 Cut Insertion/Replacement (Editing Using INSERT Mode)

Using INSERT mode, you can insert a cut at a specified position (the IN point) on the recorder, replace a cut in a specified range (from the IN point to the OUT point) on the recorder.

Operation in INSERT mode

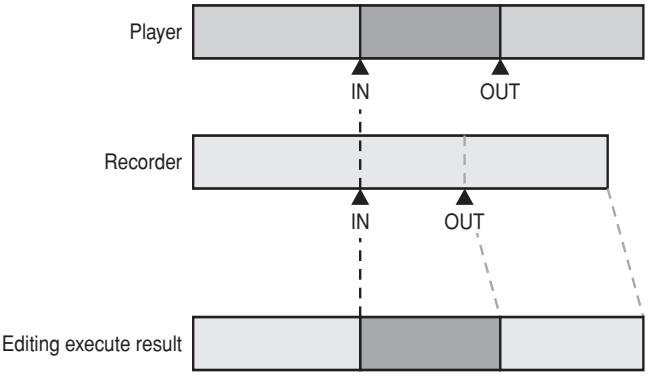
The editing operation in INSERT mode depends on whether or not the recorder OUT point is specified at the time when you execute the edit (when you press the MAVE-F555 EXECUTE/REC key).

- When you execute the edit with three edit points set, that is, with both the player IN point and OUT point set, and the recorder IN point only (or OUT point only) set, the section specified on the player is inserted into the specified position on the recorder.



Note that the OUT point is on the same frame as the IN point.

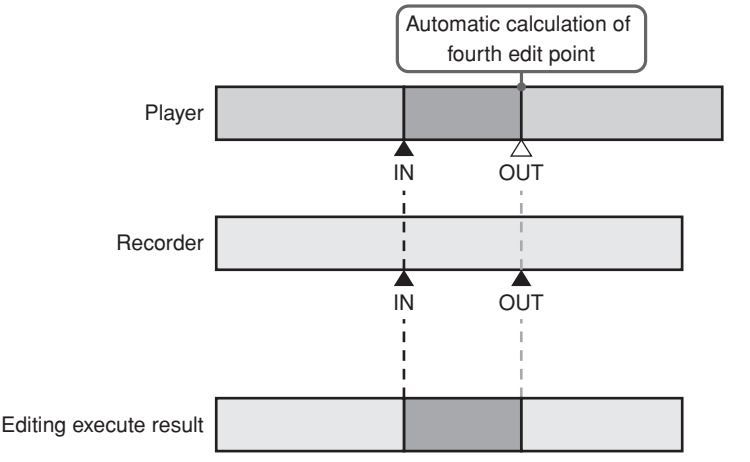
• If both the IN point and OUT point are set on the player and recorder, then when you execute the edit, the specified section on the recorder simply replaces the specified section on the player.



Notes

• As in conventional linear editing, the OUT point is not included in the editing interval. Therefore, the above replacement operation to include up to the last frame of the file is not possible.
• To preform operations that included the last frame, use the ten-keys of the MAVE-D555 to specify the end point of the file plus one frame as the OUT point.

When the lengths of the sections specified on the player and recorder are different, the total length on the recorder changes as a result of the editing. However, if only the IN point on the player is set, the operation is the same as in OVERWRITE mode described below, and the total length on the recorder does not change.

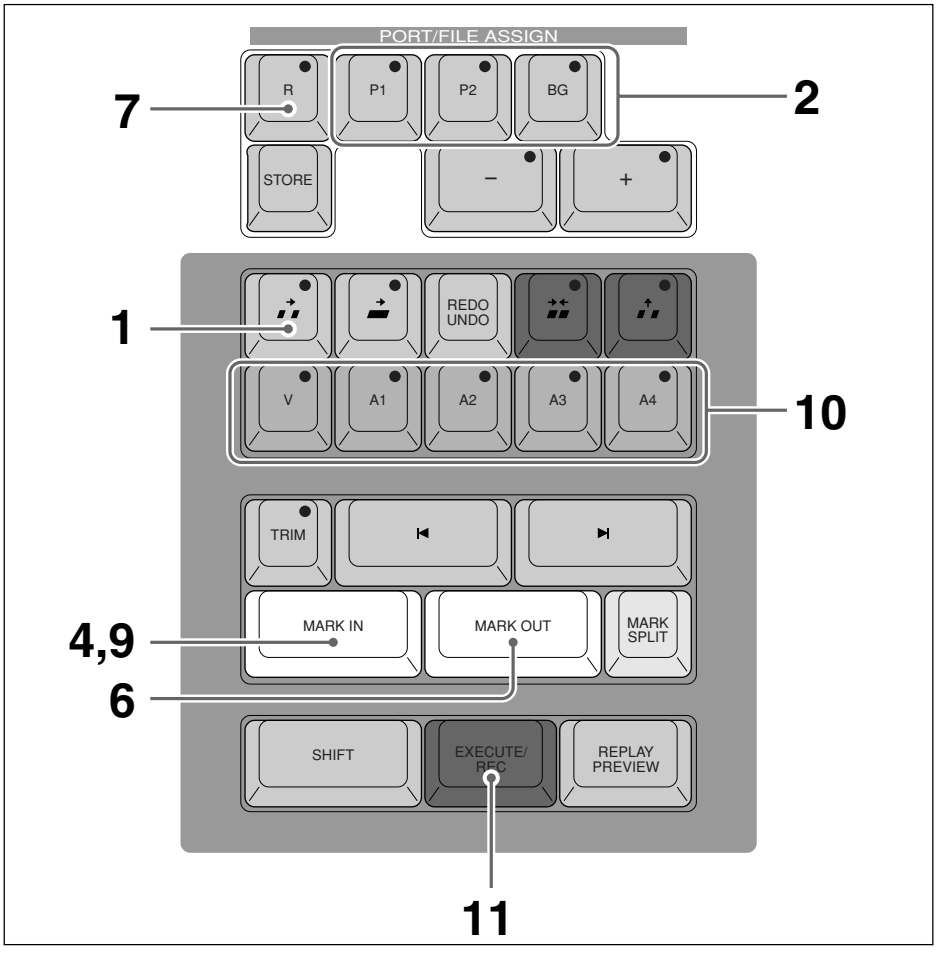


Example: When the player OUT point is not specified

Inserting a cut

The operation for inserting a cut depends slightly on whether the section for insertion as the cut is specified on the player, or whether a section on the recorder is specified for insertion as the cut (in other words, an operation within a single file).

Specifying a section on the player, and inserting at a specified position on the recorder



1 Press the [ ] key, and select INSERT mode.

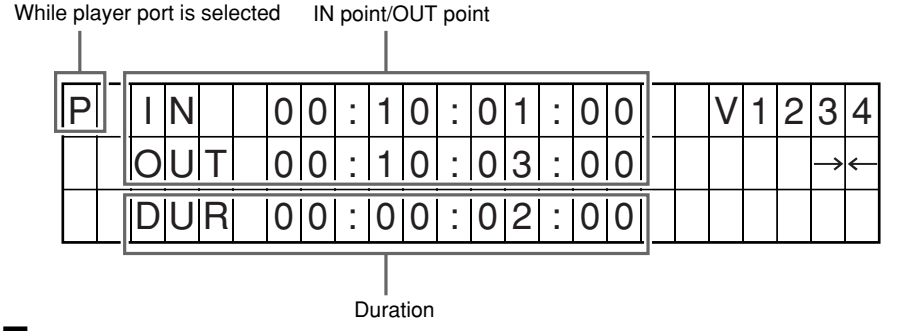
2 Select the player port.
To select another file, follow the procedure in the section “Selecting a file” (page 3-1).

3 Use the MAVE-D555 or BVE-series editor jog dial to search for the IN point.

4 Press the MARK IN key on the MAVE-F555.
The time data of the IN point appears on the monitor screen connected to the MONITOR OUT connector of the MAV-555.

5 The same as the IN point, use the MAVE-D555 or BVE-series editor jog dial to search for the OUT point.

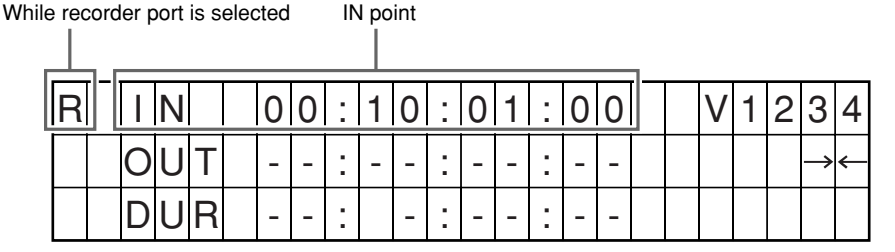
6 Press the MARK OUT key on the MAVE-F555.
The time data of the OUT point appears on the monitor screen.



7 Select the recorder port.

8 Use the MAVE-D555 or BVE-series editor to search for the IN point of the interval where the cut is to be inserted.

9 Press the MARK IN key.
The time data of the IN point appears on the monitor screen.

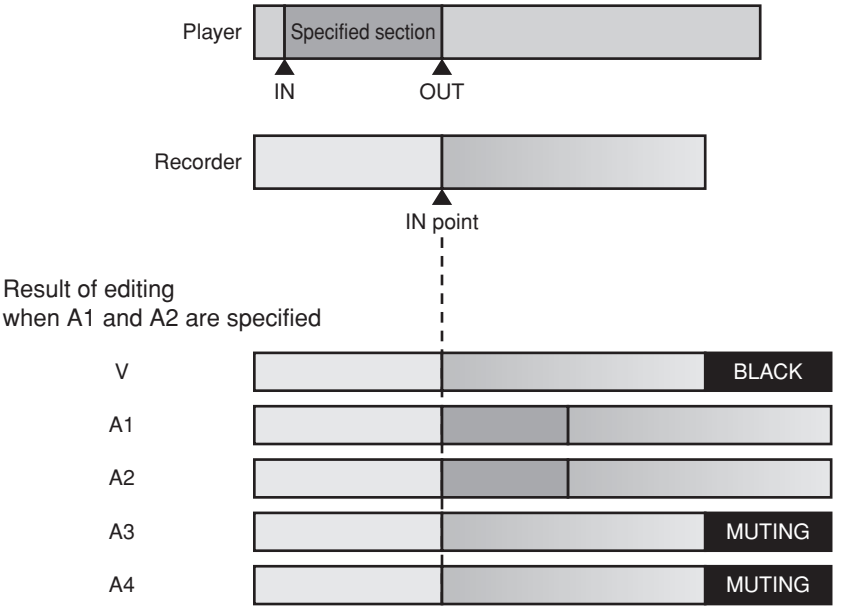


10 Using the channel specification keys (V, A1, A2, A3, and A4), select the channel(s) where you will insert the cut.
- Press the key(s) corresponding to the channel(s) in which you want to insert the cut, turning on the indicator(s) above the key(s).
- If you select only specific channels to insert the cut, see next page, under "Notes".

11 To execute the cut insertion, press the EXECUTE/REC key.
- This inserts the cut, and "EDITED" appears on the monitor screen.
- The recorder file is replaced by the editing result file (the file after inserting the cut), and the unit cues up to the OUT point of the inserted section.

Notes

- After executing the cut insertion, as the recorder file is replaced by the editing result file, the monitor screen goes temporarily blank.
- When you select only specific channels to insert the cut in step 10 above, then as shown in the following figure, the lengths of all channels are made to match by appropriate insertion of BLACK/MUTING material.

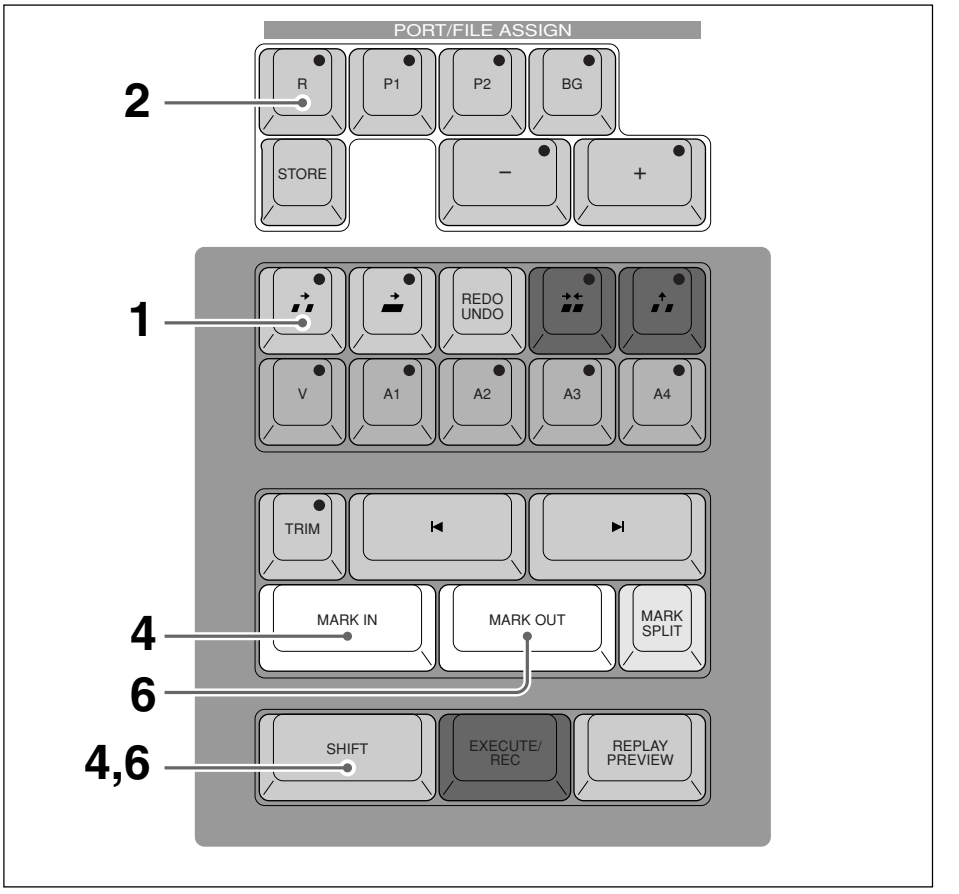


For details of the holding period for the player and recorder IN point and OUT point, see Section 3-2-12, "IN Point and OUT Point Holding Periods" (page 3-54).

- Editing can be performed without specifying an OUT point with the MARK OUT key on the MAVE-F555. Press the EXECUTE/REC key and when the desired OUT point appears press the ALL STOP key on the MAVE-D555. The stop point is specified as the OUT point.

Specifying a section on the recorder, and inserting at a specified position on the recorder

To specify the section for a cut to insert at a specified position within the same file on the recorder, use the following procedure.



1 Press the [ ] key, and select INSERT mode.

2 Select the recorder port.

3 Use the MAVE-D555 or BVE-series editor jog dial to search for the IN point.

4 Holding down the SHIFT key on the MAVE-F555, press the MARK IN key.
This specifies the IN point for the source for the cut to be inserted.

5 The same as the IN point, use the MAVE-D555 or BVE-series editor jog dial to search for the OUT point.

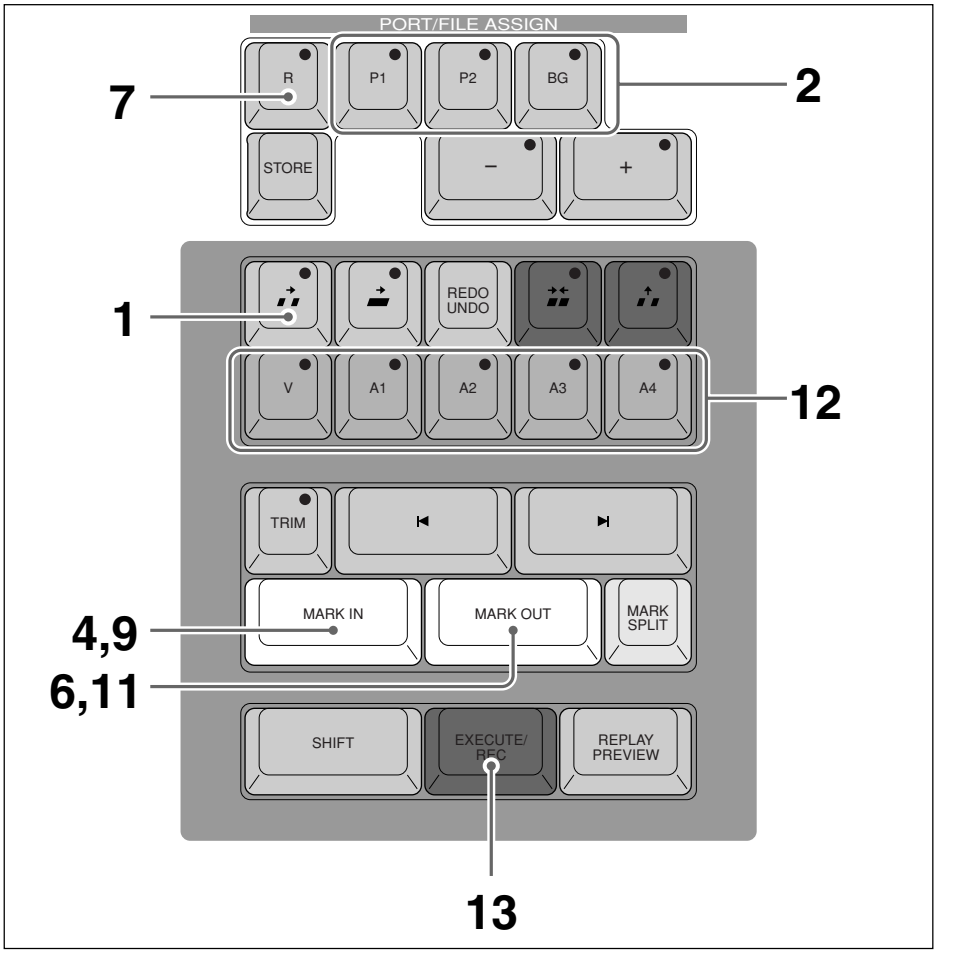
6 Holding down the SHIFT key on the MAVE-F555, press the MARK OUT key.
This specifies the OUT point for the source for the cut to be inserted.

7 Now continue from step 8 of the procedure under “Specifying a section on the player, and inserting at a specified position on the recorder” (page 3-21).

Replacing a cut

The operation for replacing a cut depends slightly on whether the section for replacement as the cut is specified on the player, or whether a section on the recorder is specified for replacement as the cut (in other words, an operation within a single file).

Replacing a section on the recorder with a cut specified on the player



1 Press the [ ] key, and select INSERT mode.

2 Select the player port.
To select another file, follow the procedure in the section “Selecting a file” (page 3-1).

3 Use the MAVE-D555 or BVE-series editor jog dial to search for the starting point (IN point) of the original cut for switching.

4 Press the MARK IN key on the MAVE-F555.
The time data of the IN point appears on the monitor screen connected to the MONITOR OUT connector of the MAV-555.

5 Just like the IN point, use the MAVE-D555 or BVE-series editor jog dial to search for the ending point (OUT point) of the original cut for switching.

6 Press the MARK OUT key on the MAVE-F555.
The time data of the OUT point appears on the monitor screen.

7 Select the recorder port.

8 Use the MAVE-D555 or BVE-series editor jog dial to search for the starting point (IN point) where the switch cut is to be inserted will start.

9 Press the MARK IN key on the MAVE-F555.
The time data of the IN point appears on the monitor screen.

10 Use the MAVE-D555 or BVE-series editor jog dial to search for the ending point (OUT point) where the switch cut to be inserted will end.

11 Press the MARK OUT key on the MAVE-F555.
The time data of the OUT point appears on the monitor screen.

12 Using the channel specification keys (V, A1, A2, A3, and A4), select the channel(s) where you will make the replacement.
- Press the key(s) corresponding to the channel(s) in which you want to make the replacement, turning on the indicator(s) above the key(s).
- If you select only specific channels for the cut replacement, to make the lengths of all channels the same, BLACK/MUTING material is added as appropriate at the end of the short channels.

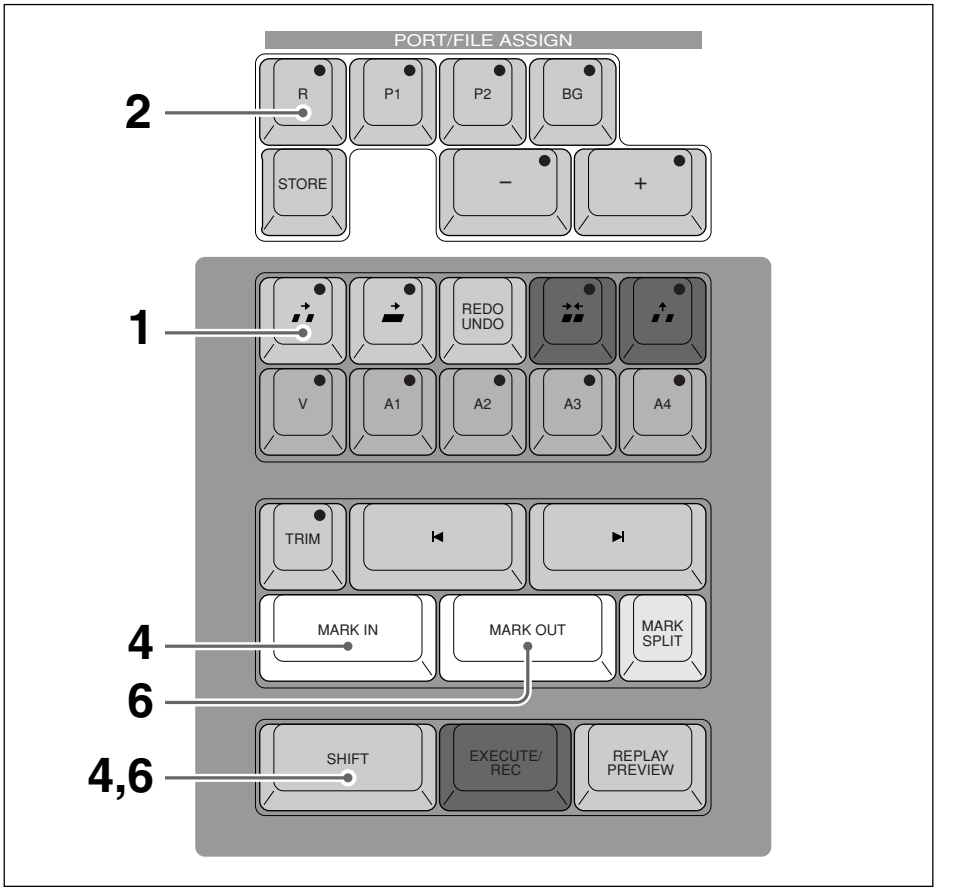
13 To execute the cut replacement, press the EXECUTE/REC key.
- This carries out the replacement, and "EDITED" appears on the monitor screen.
- The recorder file is replaced by the editing result file (the file after making the replacement), and the unit cues up to the OUT point of the replaced section.

Notes

- After executing the cut replacement, as the recorder file is replaced by the editing result file, the monitor screen goes temporarily blank.
  For details of the holding period for the player and recorder IN point and OUT point, see Section 3-2-12, "IN Point and OUT Point Holding Periods" (page 3-54).
- Editing can be performed without specifying an OUT point with the MARK OUT key on the MAVE-F555. Press the EXECUTE/REC key and when the desired OUT point appears press the ALL STOP key on the MAVE-D555. The stop point is specified as the OUT point.
- With an external VTR selected as the Player, a cut cannot be replaced. In this case, the OUT point specified on the Recorder port is disabled, and the cut is inserted at the specified IN point. (The result is the same as inserting a cut.)

Replacing a section on the recorder with another cut specified on the recorder

To specify the section for a cut to replace a specified position within the same file on the recorder, use the following procedure.



1 Press the [ ] key, and select INSERT mode.

2 Select the recorder port.

3 Use the MAVE-D555 or BVE-series editor jog dial to search for the IN point.

4 Holding down the SHIFT key on the MAVE-F555, press the MARK IN key.
This specifies the IN point for the source for the replacement cut.

5 The same as the IN point, use the MAVE-D555 or BVE-series editor jog dial to search for the OUT point.

6 Holding down the SHIFT key on the MAVE-F555, press the MARK OUT key.
This specifies the OUT point for the source for the replacement cut.

7 Now continue from step 8 of the procedure under “Replacing a section on the recorder with a cut specified on the player” (page 3-25).

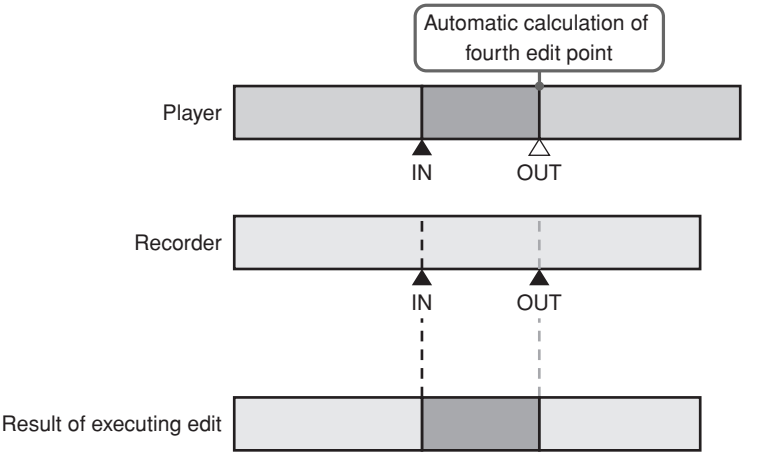
3-2-5 Cut Overwriting (Editing Using OVERWRITE mode)

In OVERWRITE mode, you set a total of three edit points, both IN points and either one of the OUT points on the recorder and player, then carry out overwrite editing.

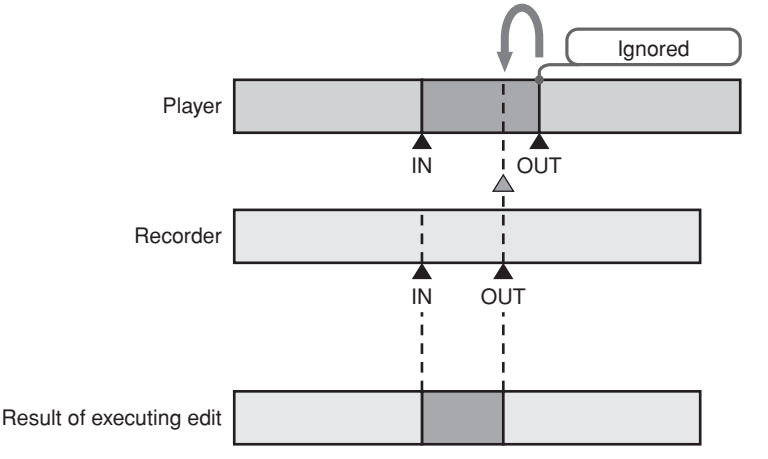
Operation in OVERWRITE mode

The editing operation in OVERWRITE mode is as follows.

- Regardless of the order in which you set the edit points, once you have set both player and recorder IN points and either one of the OUT points, you can execute the edit. The fourth edit point is calculated automatically.

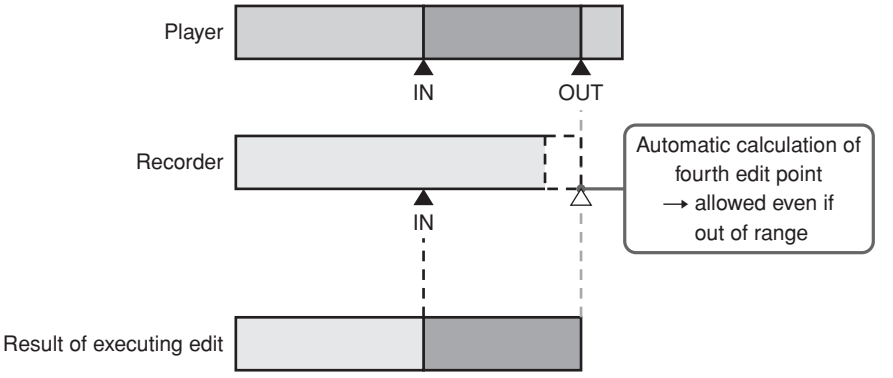


- If all four of the IN and OUT points on the player and recorder are set, then the OUT point on the recorder takes precedence over the OUT point on the player.



Handling of exceptional cases

If the recorder OUT point calculated automatically from the player IN and OUT points and the recorder IN point is outside the outside the range of the file on the recorder, the length of the file on the recorder as the editing result is increased as shown in the figure below.



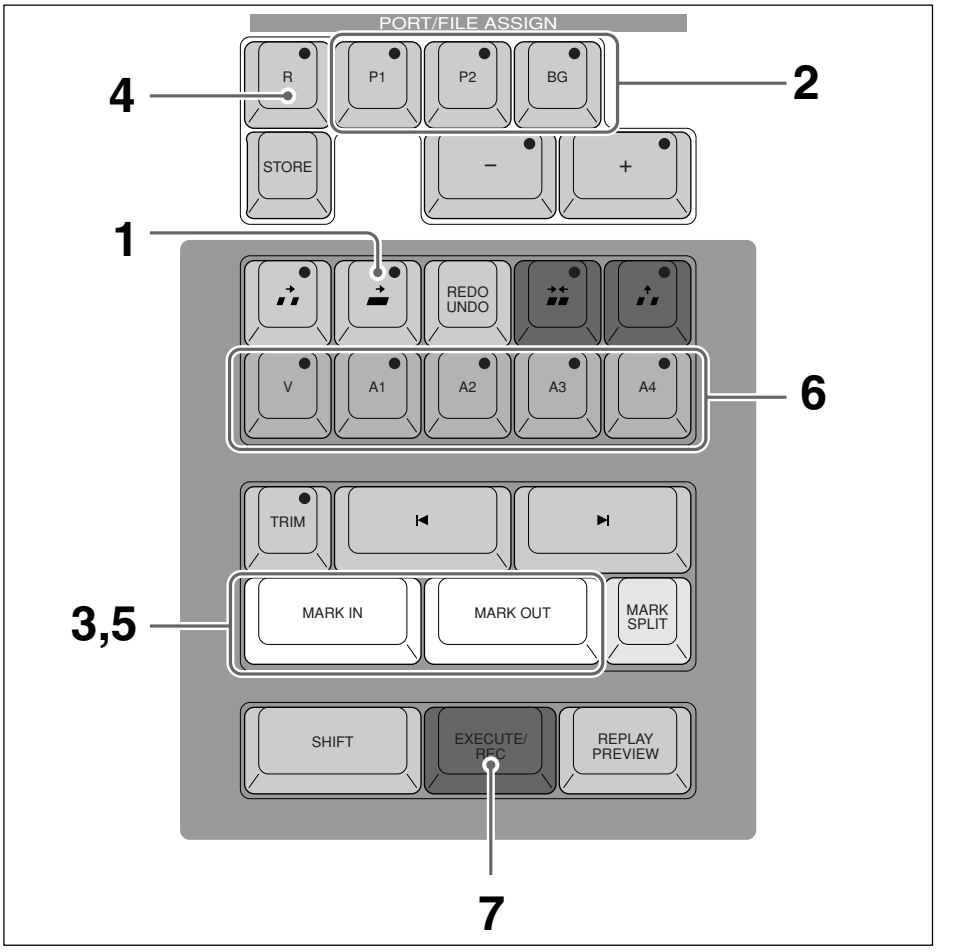
Notes

- As in conventional linear editing, the OUT point is not included in the editing interval. Therefore, it is not possible to specify up to the last frame of the recorder file to be overwritten. To overwrite up to and including the last frame of the recorder file, leave the recorder OUT point unset, as above, and carry out the overwriting with only the player OUT point set.
  You can also use this function with a BLACK/MUTING loaded on the player to delete up to and including the last frame of the recorder file.
- To overwrite everything up through the last frame, use the ten-keys of the MAVE-D555 to specify the end point of the file plus one frame as the OUT point.

Overwriting a cut

The operation for overwriting a cut depends slightly on whether the section used for overwriting is specified on the player, or whether a section on the recorder is specified as the source for overwriting (in other words, an operation within a single file).

Overwriting a specified section on the recorder with a cut from the player



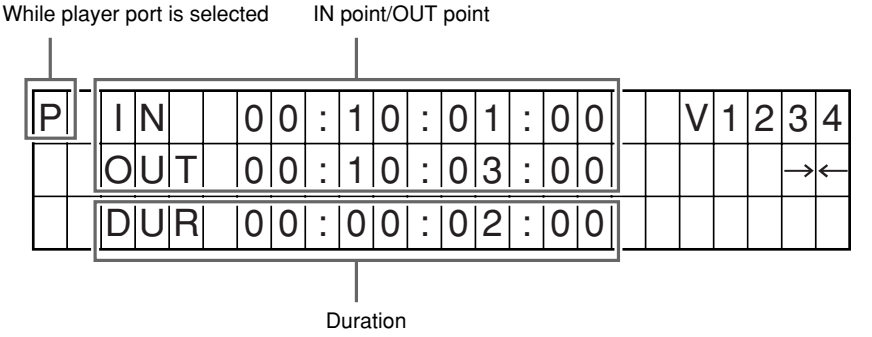
1 Press the [⏏] key, and select OVERWRITE mode.

In the following steps 2 to 5, all of the player and recorder port IN and OUT points are set, but either of the player and recorder OUT points may be left unset.

2 Select the player port.
To select another file, follow the procedure in the section “Selecting a file” (page 3-1).

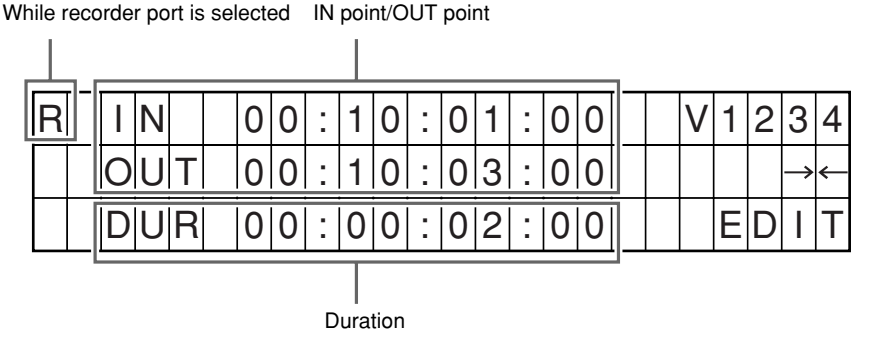
3 Press the MARK IN key and MARK OUT key on the MAVE-F555 to set the IN point and OUT point respectively.

• Using the jog dial of the MAVE-D555 or BVE-series editor, for example, search for the IN point and OUT point.
• The time data of the IN point and OUT point appear on the monitor screen connected.



4 Select the recorder port.

5 Press the MARK IN key and MARK OUT key on the MAVE-F555 to set the IN point and OUT point respectively.
• Using the jog dial of the MAVE-D555 or BVE-series editor, for example, search for the IN point and OUT point.
• The time data of the IN point and OUT point appear on the monitor screen connected.

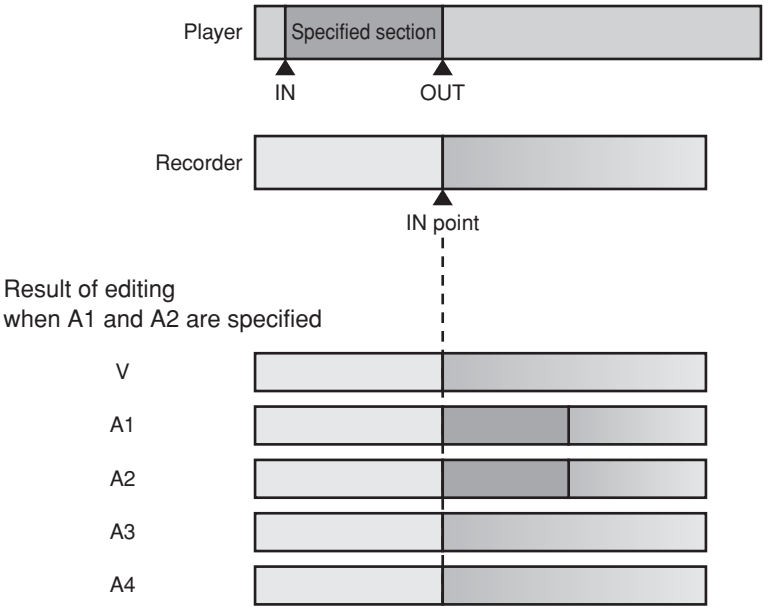


6 Using the channel specification keys (V, A1, A2, A3, and A4), select the channel(s) which you will overwrite with the cut.
• Press the key(s) corresponding to the channel(s) you want to overwrite, turning on the indicator(s) above the key(s).
• If you select only specific channels to overwrite, see next page “Notes”.

7 To execute the cut overwriting, press the EXECUTE/REC key.
• This overwrites the cut, and “EDITED” appears on the monitor screen.
• The recorder file is replaced by the editing result file (the file after overwriting the cut), and the unit cues up to the OUT point of the inserted section.

Notes

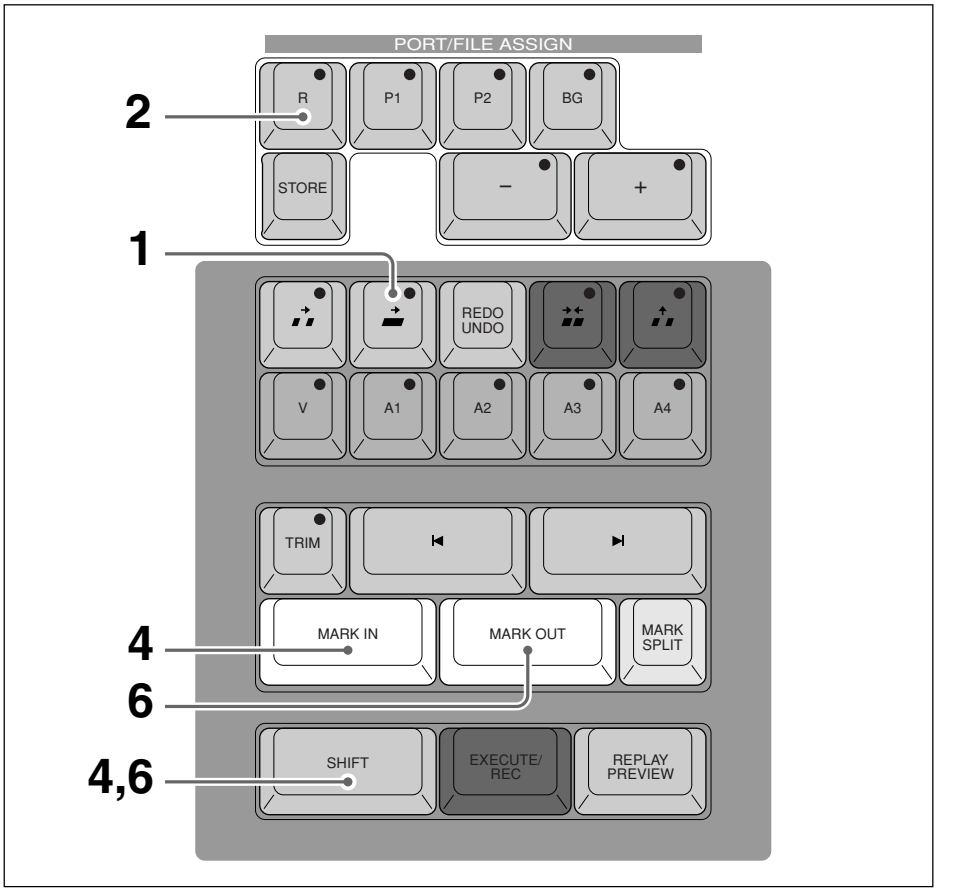
- Editing can be performed without specifying an OUT point with the MARK OUT key on the MAVE-F555. Press the EXECUTE/REC key and when the desired OUT point appears press the ALL STOP key on the MAVE-D555. The stop point is specified as the OUT point.
- After executing the cut overwriting, as the recorder file is replaced by the editing result file, the monitor screen goes temporarily blank.
- When you select only specific channels for overwriting with the cut in step 6 above, then the result is as shown in the following figure.



For details of the holding period for the player and recorder IN point and OUT point, see Section 3-2-12, "IN Point and OUT Point Holding Periods" (page 3-54).

Overwriting a specified section on the recorder with a cut from the recorder

To specify the section for a cut to overwrite a specified position within the same file on the recorder, use the following procedure.



1 Press the [ ] key, and select OVERWRITE mode.

2 Select the recorder port.

3 Use the MAVE-D555 or BVE-series editor jog dial to search for the IN point.

4 Holding down the SHIFT key on the MAVE-F555, press the MARK IN key.
This specifies the IN point of the source cut to be used for overwriting.

5 The same as the IN point, use the MAVE-D555 or BVE-series editor jog dial to search for the OUT point.

6 Holding down the SHIFT key on the MAVE-F555, press the MARK OUT key.
This specifies the OUT point of the source cut to be used for overwriting.

7 Now continue from step 5 of the procedure under “Overwriting a specified section on the recorder with a cut from the player” (page 3-30).

3-2-6 Deleting a Cut (Editing Using LIFT mode and EXTRACT mode)

You can delete any desired section of an open file on the currently selected port.

Notes

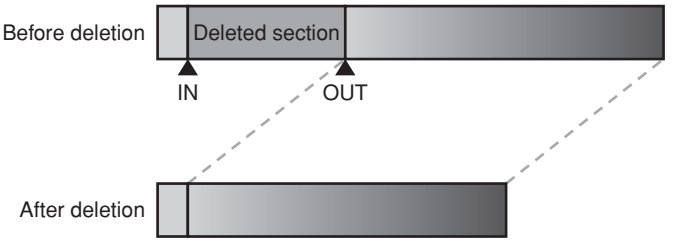
- The operation of deleting a cut is only possible when the MAV-555 port is selected as the recorder. When a VTR is selected as the recorder, the operation is not possible.
- The operation of deleting a cut is only possible on the recorder. It is not possible on the player.

Operation in LIFT mode and EXTRACT mode

There are two editing modes for deleting a cut: LIFT mode and EXTRACT mode.

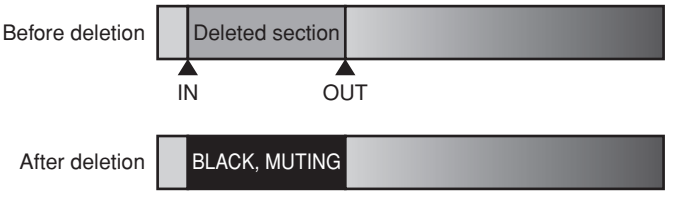
EXTRACT mode

After executing the deletion, the duration is reduced by the length of the deleted section.



LIFT mode

The deleted section is filled with BLACK/MUTING data. The duration is thus unchanged after executing the deletion.

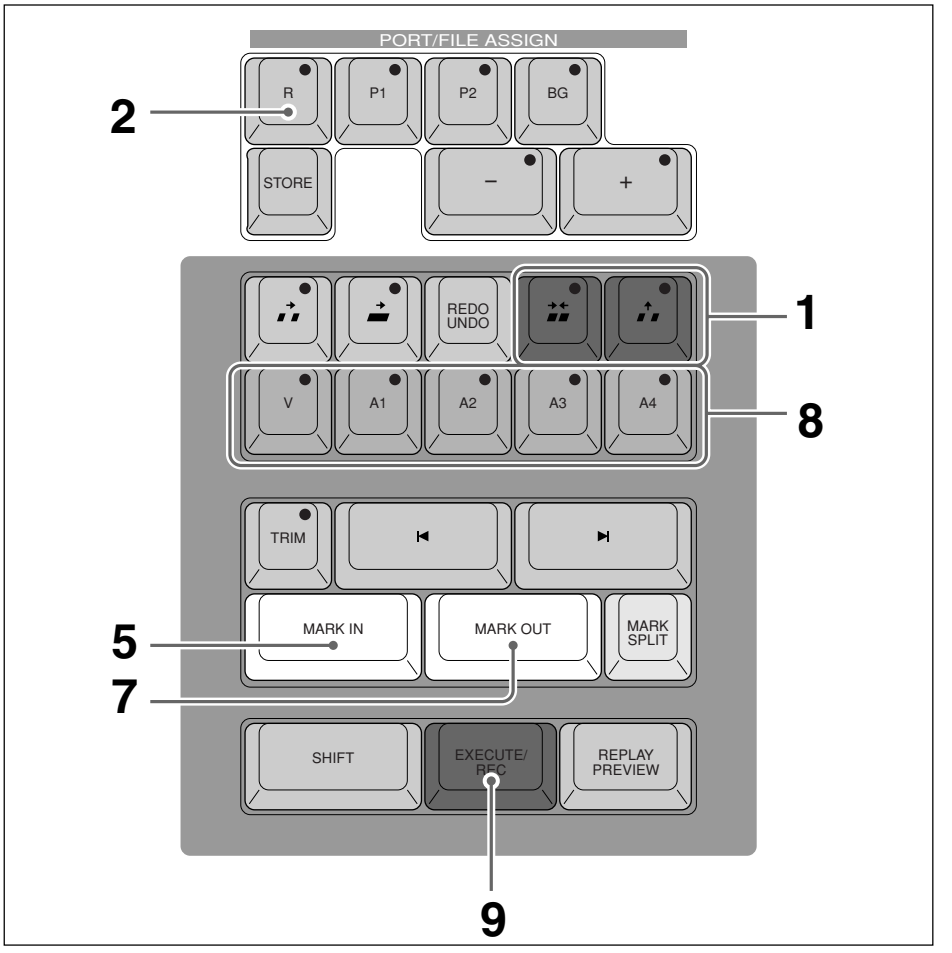


Note

As in conventional linear editing, the OUT point is not included in the editing interval. Therefore, it is not possible to specify up to the last frame of the recorder file to be deleted. To delete up to and including the last frame of the recorder file, use OVERWRITE mode, and overwrite with a BLACK/MUTING cut from the player.

For details of this procedure, see under the Notes in the section "Handling of exceptional cases" on page 3-29.

Deleting a cut



To delete any desired section of a file, use the following procedure.

1 Select EXTRACT mode or LIFT mode.
Press the [ ] key (EXTRACT) or [ ] key (LIFT).

2 Select the recorder port.

3 Select the file including the section you want to delete.
For details of the file selection operation, see the section “Selecting a file” (page 3-1).

4 Use the MAVE-D555 or BVE-series editor jog dial to select the IN point for the interval to delete.

5 Press the MARK IN key on the MAVE-F555.
The time data of the IN point appears on the monitor screen connected to the MONITOR OUT connector of the MAV-555.

6 The same as the IN point, use the MAVE-D555 or BVE-series editor jog dial to select the OUT point for the interval to delete.

7 Press the MARK OUT key on the MAVE-F555.
The time data of the OUT point appears on the monitor screen.

8 Using the channel specification keys (V, A1, A2, A3, and A4), select the channel(s) in which you will delete.
- Press the key(s) corresponding to the channel(s) you want to delete, turning on the indicator(s) above the key(s).
- If you select only specific channels to delete, see the section "Channel specification when deleting" (page 3-37).

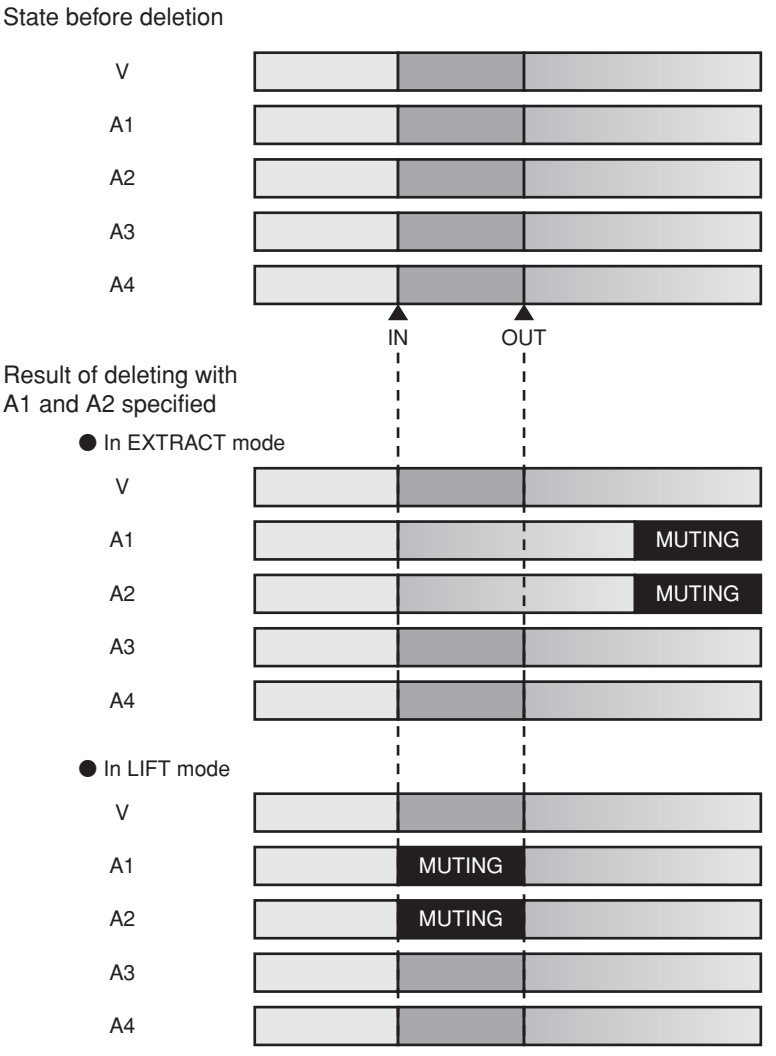
9 To execute the deletion, press the EXECUTE/REC key.
- This carries out the deletion, and "EDITED" appears on the monitor screen.
- The recorder file is replaced by the editing result file (the file after deleting), and the unit cues up to the OUT point of the deleted section.

Notes

- In LIFT mode and EXTRACT mode, the player IN and OUT points always appear as "--:--:--:--".
- After executing the deletion, as the recorder file is replaced by the editing result file, the monitor screen goes temporarily blank.
- At the point at which you execute the deletion, the IN and OUT points of the deleted section are saved as the player IN and OUT points. If this interval is used for editing in the OVERWRITE mode, specify only the IN point. Editing cannot be performed if the OUT point is specified.
  For details of the holding period for the player and recorder IN point and OUT point, see Section 3-2-12, "IN Point and OUT Point Holding Periods" (page 3-54).
- In the LIFT mode editing can be performed without specifying an OUT point with the MARK OUT key on the MAVE-F555. Press the EXECUTE/REC key and when the desired OUT point appears press the ALL STOP key on the MAVE-D555. The stop point is specified as the OUT point.

Channel specification when deleting

You can delete a specified section on particular channels only. When you execute a deletion with only some of the channels selected, depending on the editing mode, the editing result file is as follows.



3-2-7 Editing With Effects

Similar to a conventional BVE-series editor, by connecting a MAVE-D555 you can perform editing using dissolvable and wipe effects. You can also add to or delete the effects after editing execution.

Notes

- A BKMA-560/561 must be installed in the MAV-555 in order to perform edits with effects.
- The edit mode must be set for the OVERWRITE mode.
- If you attempt to execute effect editing in the INSERT/LIFT/EXTRACT mode you will not be able to complete the execution and “EF Edit on Illegal Mode” will be displayed.
- If you want to execute effect editing in the INSERT/LIFT/EXTRACT mode, after executing one cut enter the trimming mode and perform an add to the effect.
- When a material from the VTR is edited, effect editing cannot be done. In order to perform effect editing with a cut captured from a VTR, after performing the cut from the VTR enter the trimming mode and perfrom an add to the effect.

For details about dissolvable and wipe editing and use of the AUDIO key, see the MAVE-D555 operation manual.

3-2-8 External VTR Control

The external VTR can be controlled from the MAVE-F555. By connecting the MAVE-D555 and BKNE-1011 in the BVE mode, the external VTR can be used as a Player and Recorder for editing.

Specifying the External VTR as the Player (or Recorder)

- To specify the external VTR as the Player, use MAV-555 menu item 324 MAVE-F555 PORT set Port P1 or Port P2 to EXT.
- To specify the external VTR as the Recorder, set the Recorder select setting to VTR. At this time, the Recorder is automatically set to VTR

For more details about setting the Recorder select, see Section 3-4, "Recorder Select Function" (page 3-63).

Performing Assemble Editing

When the Recorder select is set to VTR, conventional insert editing is expanded and assemble editing can be performed.

1 Switch off all of the channel setting keys (V, A1, A2, A3, A4).

2 On the MAVE-F555 hold down the SHIFT key and press the V key. "ASMBL" appears on the monitor display and the unit is in the assemble mode.

Performing 1st Edit

Follow the procedure below to perform 1st Edit during Assemble editing.

1 Select "VTR" for RECORDER SELECT.

2 Follow the procedure above to enter the Assemble mode.

3 Select the Player port, on the MAVE-F555 press the MARK IN key to specify the IN point and then press the MARK OUT key to specify the OUT point.

4 Select the Recorder port, and use the MAVE-D555 keypad to enter the Recorder IN point. On the MAVE-F555 press the MARK IN key to specify the IN point.

5 On the MAVE-F555 hold down the NEW FILE key, and then press the EXECUTE/REC key to end the 1st Edit.

External VTR as Recorder Settings

Use the MAV-555 Expansion menu item 325 “MAVE-F555 EXT VTR CONTROL” to perform the settings for using the external VTR as a Recorder.

No.	Item	Description
325	EDIT DELAY	SSpecifies (in frame units) EDIT DELAY of the external VTR. [0] to 9
	EDIT PRESET COMMAND	Specifies whether Analog Audio 2 Channel command or Digital Audio 4 Channel command is used for the EDIT PRESET command. [Digital]: Uses Digital Audio 4 Channel command. Analog : Uses Analog Audio 2 Channel command. With this setting, Audio 3, 4 Channel settings are ignored.
	UB BYTE 1 UB BYTE 2 UB BYTE 3 UB BYTE 4	Specifies the value for the user bit to specify the VTR for editing. [00] to FF

3-2-9 Trimming a Cut

After executing editing by inserting or overwriting cuts, you can use the TRIM key to perform trimming with the IN or OUT points. You can also perform the same operations with the results of conventional linear editing with the BVE editor.

Note

Turning off the MAV-555 clears the cut point information. Before turning off the MAV-555, be sure to save the cut point information of cuts that you want to trim later.

Overview of Trimming

Trimming Operation Modes

When you use the MAVE-F555 editing panel for editing, you can choose one of the following modes: INSERT mode, OVERWRITE mode, EXTRACT mode, and LIFT mode.
The following modes are usually used together for editing.

❶ **INSERT/EXTRACT Mode**

Use this mode to trim and change the total duration of the file. During trimming use the INSERT mode to move the IN point ahead of its original position or move the OUT point behind its original position, the same as during the normal INSERT mode. To perform the reverse, use the same procedure in the EXTRACT mode. See page 3-42 for examples.

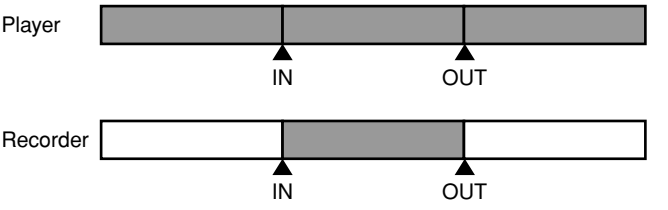
❷ **OVERWRITE/LIFT Mode**

Operations in this mode do not change the total duration of the file. During trimming use the OVERWRITE mode to move the IN point ahead of its original position or move the OUT point behind its original position, the same as during the normal OVERWRITE mode. To perform the reverse, use the same procedure in the LIFT mode. See page 3-43 for examples.

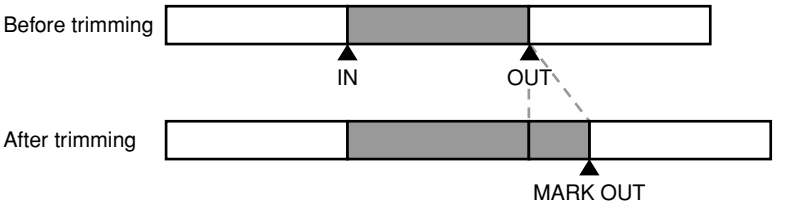
❶ **INSERT/EXTRACT mode**

Trimming in this mode **changes the total duration of the file**.
When you start trimming with the INSERT mode or EXTRACT mode selected, the [ ] and [ ] keys both light and the system is in the INSERT/EXTRACT mode.
The example below shows trimming the OUT point in the INSERT or EXTRACT mode.

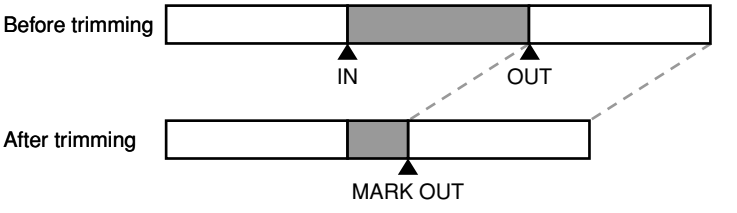
Original status (after editing and before trimming)



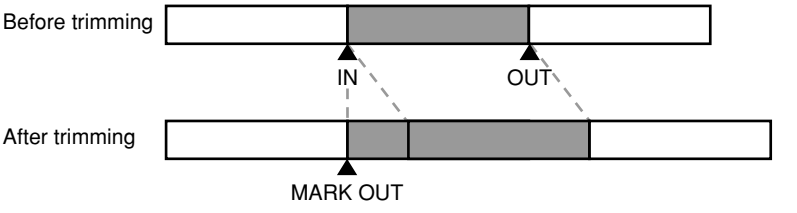
Moving the OUT point after its original position with trimming
The edited interval is inserted with trimming and the total duration is lengthened (the same as normal editing in the INSERT mode).



Moving the OUT point before its original position with trimming
The edited interval is deleted with trimming and the total duration is shortened (the same as normal editing in the EXTRACT mode).



Moving the IN point before its original position with trimming
The edited interval is inserted with trimming and the total duration is lengthened. As a result, the time data for all cut points after the trimmed IN point changes.

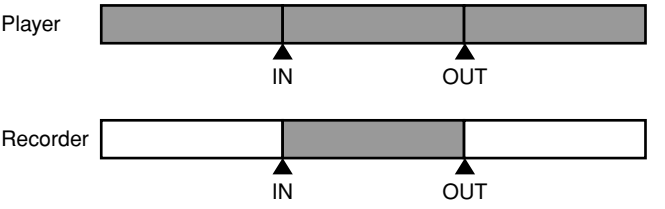


❷ **OVERWRITE/LIFT mode**

Trimming in this mode **does not change the total duration of the file**. When you start trimming with the OVERWRITE mode or LIFT mode selected, the [ ] and [ ] keys both light and the system is in the OVERWRITE or LIFT mode.

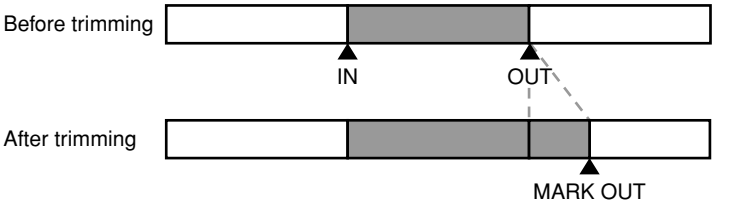
The example below shows trimming the OUT point in the OVERWRITE or LIFT mode.

Original status (after editing and before trimming)



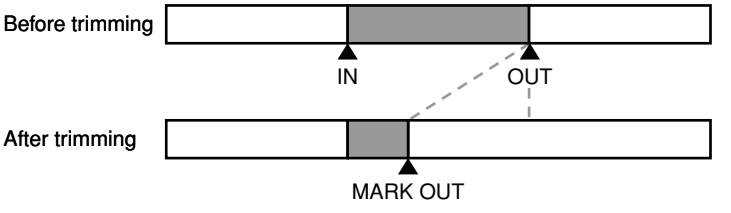
Moving the OUT point after its original position with trimming

The edited interval is overwritten with trimming and the total duration does not change (the same as normal editing in the OVERWRITE mode).



Moving the OUT point before its original position with trimming

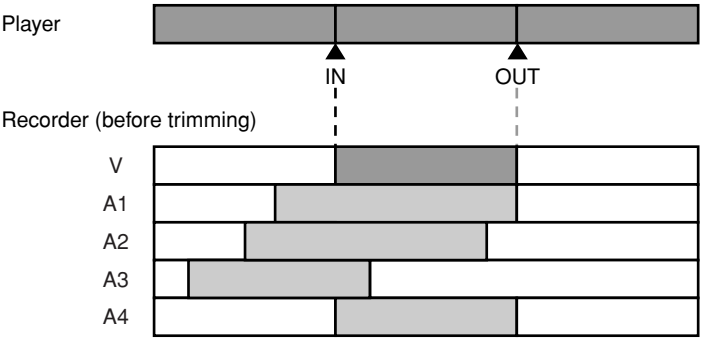
The edited interval is deleted and the total duration does not change because BLACK or MUTING data is inserted into the vacated interval (the same as normal editing in the LIFT mode).



Designating a channel and trimming

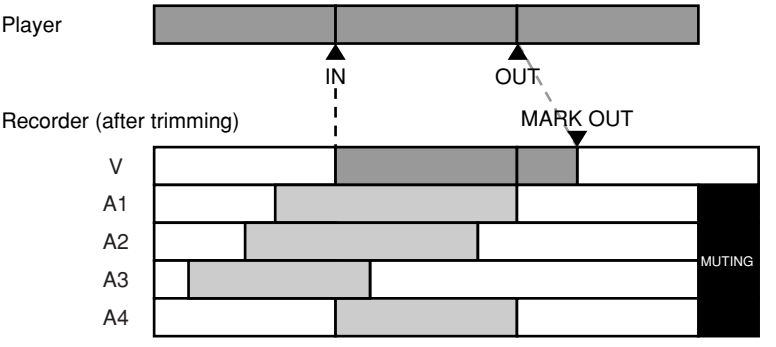
You conduct trimming on a designated channel. For example, you can trim the OUT point of a cut on a VIDEO channel in the INSERT or EXTRACT mode as shown below.

Original status (after editing and before trimming)



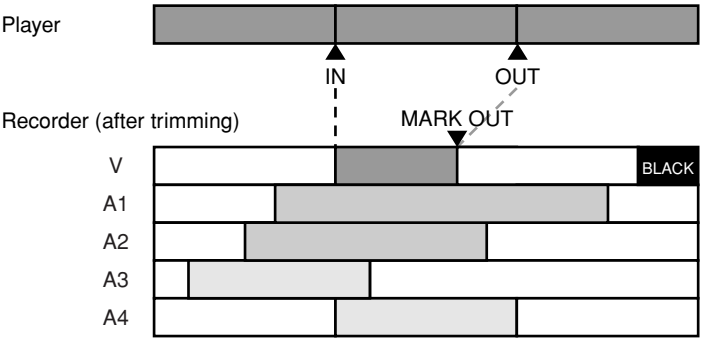
Moving the OUT point after its original position with trimming

The edited interval is trimmed on the designated channel (in this example the VIDEO channel), and MUTING data is inserted at the ends, matching all channel lengths (in this example A1 to A4 channels).



Moving the OUT point before its original position with trimming

The edited interval is deleted with trimming on the designated channel (in this example the VIDEO channel). Because duration of the trimmed channel is made shorter than the other channels (in this example A1 to A4) as a result of trimming, at the end of the cut on the trimmed channel BLACK data is inserted. For this reason, the total duration does not change.



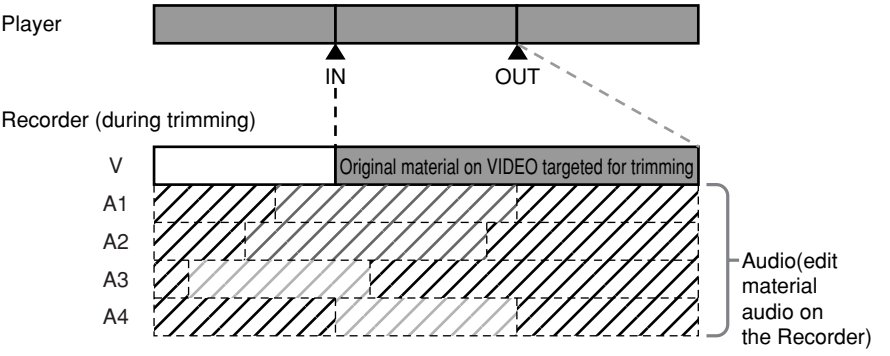
Temporary files used in trimming

When the TRIM key is pressed to start trimming, a temporary file to be used for trimming is automatically created. The trimming operation is performed only on this file (the Player port is not used).

Note the following points about the temporary file used for trimming:
• The channel designated for trimming uses the original material.
• Other channels use the edit material on the Recorder.

You can use the BVE editor JOG dial to search for and find a new IN point (or OUT point) in the temporary file, and set these points with the MARK IN or MARK OUT keys on the MAVE-F555.
During search, you can search for edit materials on channels other than the channel targeted for editing. For example, while editing on the VIDEO channel, you can while the file is open search for edit material on the AUDIO channel. Conversely, while trimming on the AUDIO channel, you can search for edit material while viewing the VIDEO channel.

When trimming the OUT point on the VIDEO channel, the temporary file is created as shown below.



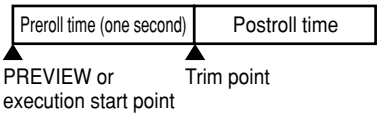
Dual Screen Trimming

When the TRIM key is pressed to start trimming and the conditions below are satisfied, the monitor screen is split into two screens. Trimming can be performed while viewing the borders of the cut.
• MAVE-D555 is connected.
• The Effect board (BKMA-560) must be installed.
• P2 Port must be selected for item 324 “MAVE-F555 PORT” of the MAV-555 Expansion menu.
• MAV-555 P2 Port must not be set for PLAY.
If the above four conditions are satisfied, 2-screen trimming begins. If any of the conditions is not satisfied, 1-port trimming is performed, just as with Ver. 1.10.

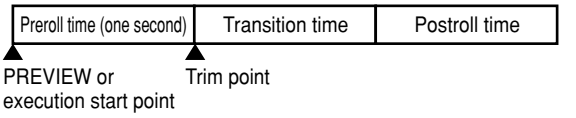
Executing PREVIEW when Cut Trimming

While executing a PREVIEW of trimming or while trimming, the preroll time is fixed at one second.

Playback execution when trimming a cut without effects



Playback execution when trimming a cut with effects



Notes

- During trimming in the OVERWRITE or LIFT mode, the front and back borders could shift. If this occurs, press MARK IN or MARK OUT, or on the MAVE-D555 press the ALL STOP key to restore the normal screen.
- The 107 “MAXIMUM JOG SPEED” item on the MAV-555 Expansion menu must be set for “×1”.

Opening the Original Material of the Current Cut

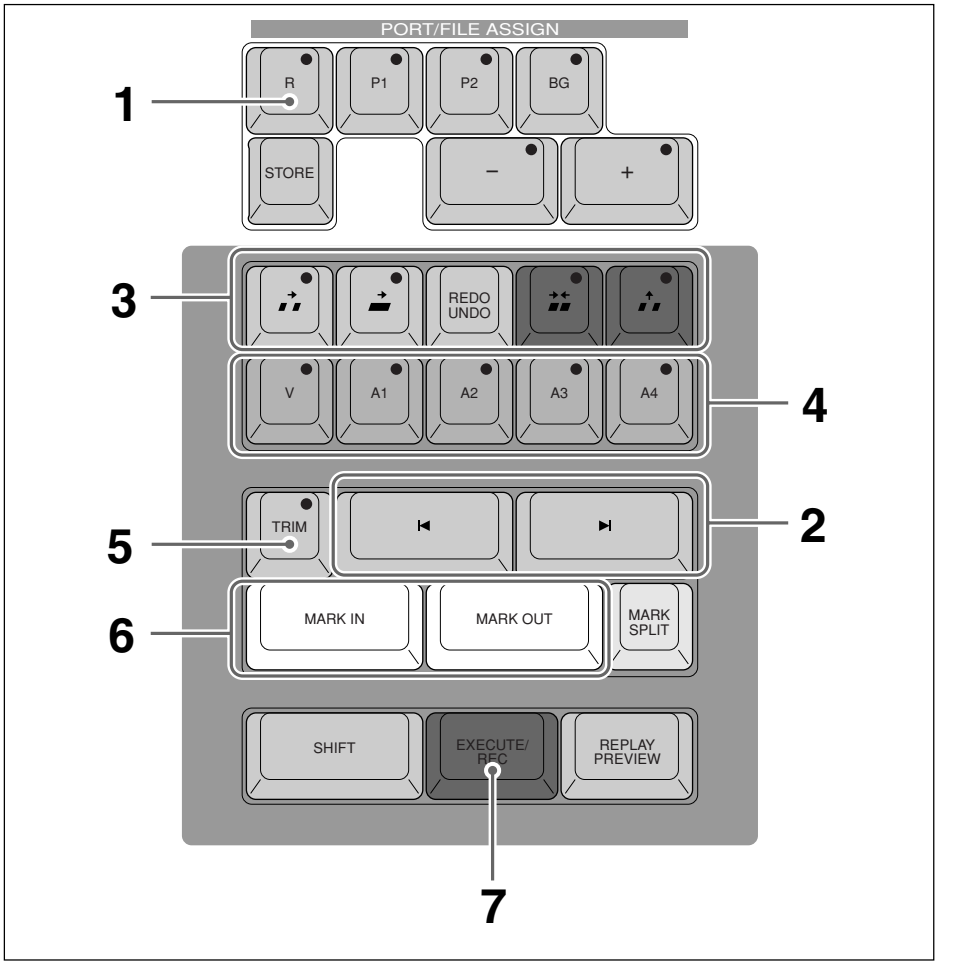
Hold down the SHIFT key and press the TRIM key.
If the original material of the current cut is on the MAV-555, the material is cued up to the same position as the current cut and opened on the MAV-555 P2 port. If the original material is from an external VTR, the material is cued up to the external VTR position.

Note

If multiple channels are preset on the MAVE-F555 and you open the original material of a cut, the V, A1, A2, A3, A4 order of priority is used in cueing up the material.

Trimming a Cut

Use the procedure below to trim a cut.



1 Select the Recorder port.

2 Press the [|◀] or [▶|] key to jump to the IN point or OUT point of the cut that you want to trim. To jump to the OUT point, hold down SHIFT and press [|◀] or [▶|].
After the jump you can confirm the channel of the cut point by viewing the channel display area of the superimposed display.
For details see "List of Superimposed Indications" (page A-5).

Notes

- Without executing a cut jump, you can use the jog dial to move to a cut point and start trimming. However, because an IN point for one channel could be the same as an OUT point for another channel, if you use the jog dial to move to the point, you may be able to edit only the IN point at the jump point. If you want to trim an OUT point, hold down the SHIFT key, press [|◀] or [▶|], and then perform a cut jump to the specified OUT point.
- As an exception, you may be able to perform a cut jump with the [▶|] key (for details, see "Cut Jumping on a Recorder Port" (page 3-11)). If you perform this operation trimming cannot be performed at the OUT point of the cut at the end of the file. In order to trim the OUT point of the cut at the end of a file, hold down the SHIFT key, press [|◀] or [▶|], and then perform a jump to the specified OUT point, or use the jog dial to move to the end of the file and then perform the subsequent operation.

3 Select the edit mode.
For details about how to select the edit mode, see "Selecting an editing mode" (page 3-16).

4 Use the channel selection keys V, A1, A2, A3, or A4 to select the channel for the cut that you want to trim. After you press the appropriate key for the channel where you want to trim, the key lights.
Trimming functions only on each channel cut point (IN point or OUT point). If trimming is attempted on any other channel, messages are returned: "Trim on Illegal Channel" or "Not Cut Point". Make sure that you check the superimposed displayed to confirm the channel of the cut point.
For details, see "List of Superimposed Indications" (page A-5).

5 Press the TRIM key. The indicator on the TRIM key lights and the temporary file is created.

- With the temporary file open, if you selected the INSERT selected in Step 3, press [ ] and [ ] to light both keys, or if you selected the OVERWRITE mode in Step 3, press [ ] or [ ] to light both keys. Operation is the same regardless of whether you press [ ] or [ ].
- After pressing the TRIM key, the edit mode cannot be changed.

6 Use the MAVE-D555 or BVE-series editor jog dial to search for the trimming IN point (or OUT point), and then press the MARK IN (MARK OUT) key. Pressing the MARK IN (or MARK OUT) again writes over the desire trim IN point (or OUT point).
- An IN point and OUT point cannot be edited at the same time.
- After you press the MARK IN (or MARK OUT) key, the IN point (or OUT point) cannot be cleared.

7 Press the EXECUTE/REC key to execute trimming.
- When the insert mode is selected and the IN point trimmed, the display jumps to the IN point of the cut to be trimmed. In any mode other than insert mode, the display jumps to the edit point.
- If the effect pattern is selected at this time, trimming is executed with the effect inserted.

Notes

- Only the Recorder port is enabled for trimming.
- Trimming is performed only on the temporary file for trimming. The Player port is not used.
- After pressing the TRIM key at Step 5 to create the temporary file, if you want to cancel trimming, just press the TRIM key again.
- During trimming, you cannot change files on any port.
- When a file using Player material during editing is deleted, trimming with a cut using that file for reference can no longer be performed.

Deleting an Effect Result from a Cut

Follow the procedure below to delete the result of an effect from a cut.

1 Press the cut jump keys ([⏮] or [⏭]) to move the beginning of a cut that contains an effect result.

2 Hold down the EXTRACT [⇲] key (or LIFT [⇱] key) and press the DISS key (or WIPE key).
The result of the effect reached at Step 1 is deleted. If the effect result is erased, the message “Effect Removed” is displayed.

Notes

- With the MAVE-F555 connected and the MAVE-D555 CLEAR pressed and lit, pressing the DISS (or WIPE) key will also delete the effect result.
- An effect result of a cut that uses an animation system effect cannot be deleted.

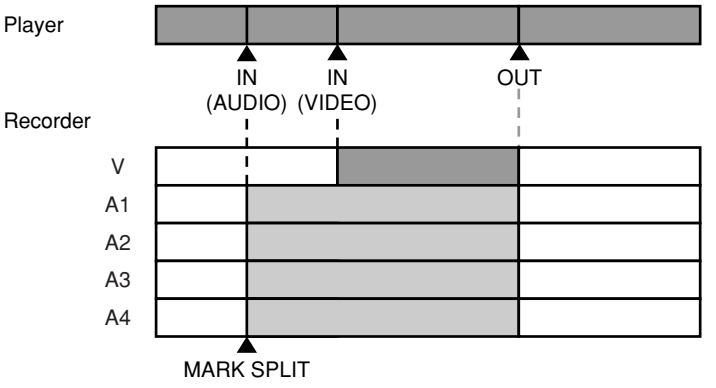
3-2-10 Split Editing

You can edit by specifying different IN points on both the Video and Audio channel, just like with a conventional BVE series editor.

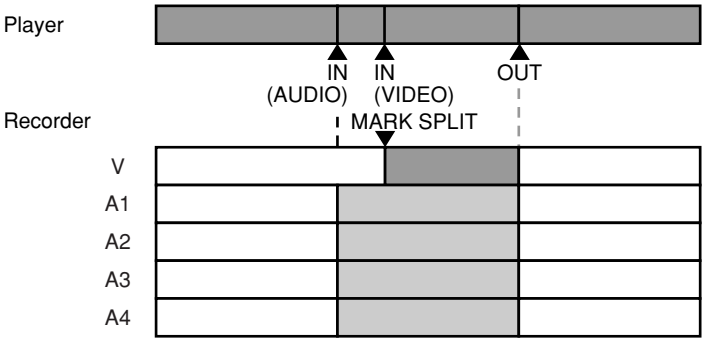
Overview of Split Editing

Split editing advances or delays only the IN point on the other channel for the channel (AUDIO or VIDEO) specified as the current “split base” (channel of the edit point that became the reference when you pressed the MARK SPLIT key).

Advanced AUDIO editing (when split base VIDEO)



Delayed VIDEO editing (when split base AUDIO)



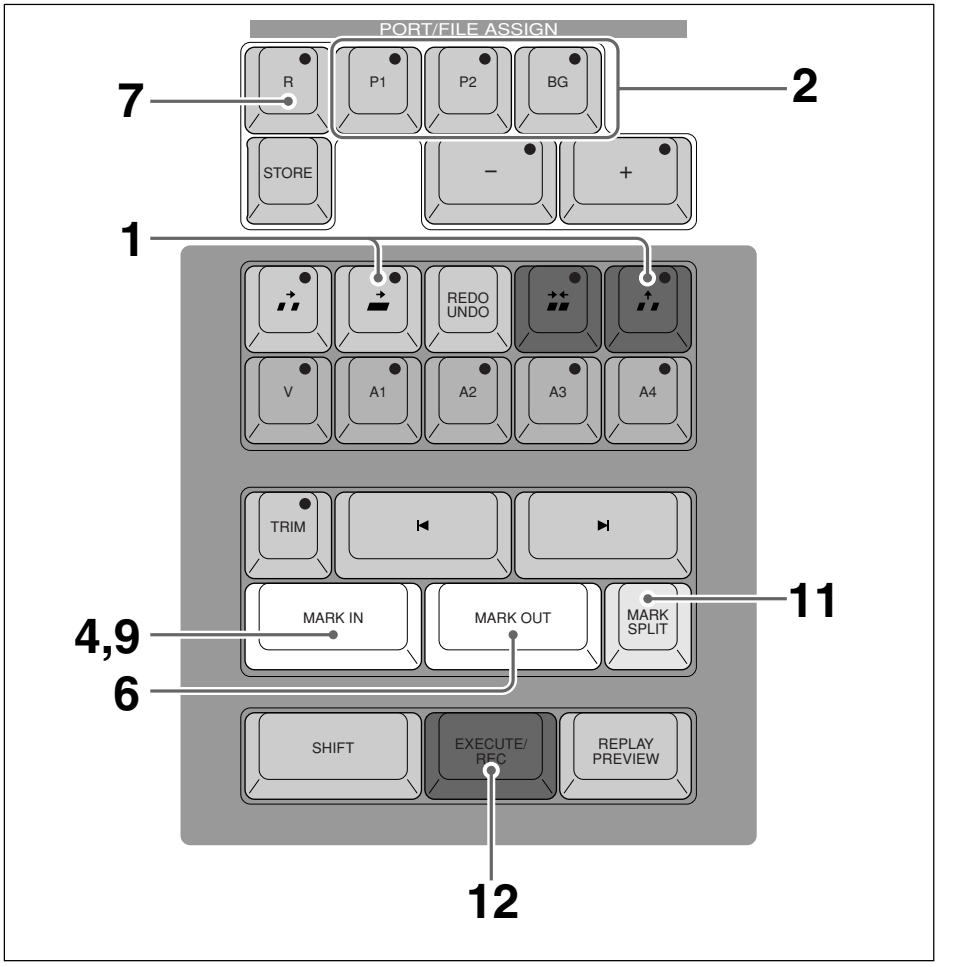
The initial value for the split base is VIDEO. If you want to change the default setting to AUDIO, change the setting in “DECISION BASE” of the 320 “MAVE-F555 CONTROL” item in the MAV-555 Expansion menu.
For details about setting the Expansion menu, see the MAV-555 Operation Manual.

Notes

- The OUT point cannot be set with the MARK SPLIT key.
- You cannot split edit different IN points specified on each AUDIO channel.
- The length allowed for a split is 59 seconds, 29 frames in the 525 mode, and 59 seconds, 24 frames in the 625 mode.
- In the split edit mode, only one edit can be performed. When you end split editing, the split edit mode is released and switches to normal editing.

Performing Split Editing

Use the procedure below to perform split editing.



1 Select the edit mode.

- In the split mode only the OVERWRITE mode ([ ] key) and LIFT mode ([ ] key) are available.
- For details about how to select the edit mode, see "Selecting an editing mode" (page 3-18).

2 Select the Player port.
If you want to select a file for correction, follow the procedure described under “Selecting a file” (page 3-1).

3 Use the BVE editor JOG dial to search for and find the IN point.

4 Press the MARK IN key on the MAVE-F555 editing panel.
The IN point time data is displayed on the monitor connected to MONITOR OUT on the MAV-555.

5 Use the JOG dial on the BVE editor to search and find the OUT point, just as you searched the IN point in Step 3.

6 Press the MARK OUT key on the MAVE-F555 editing panel.
The OUT point time data is displayed on the monitor connected to MONITOR OUT on the MAV-555.

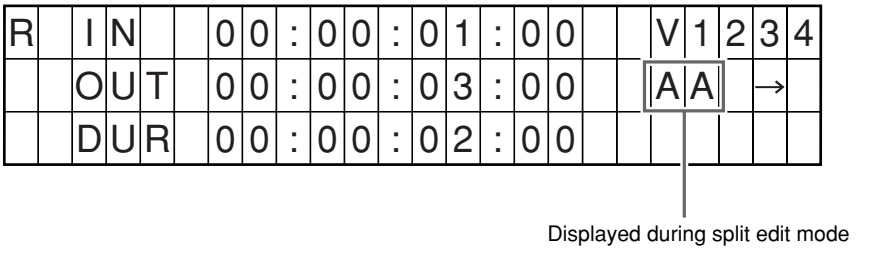
7 Select the Recorder port.

8 Use the BVE editor JOG dial to search for and find the IN point.

9 Press the MARK IN key on the MAVE-F555 editing panel.
The IN point time data is displayed on the monitor connected to MONITOR OUT on the MAV-555.

10 Use the BVE editor JOG dial to search for and find the split point.
If the split base is VIDEO, search for the AUDIO advance (or delay) edit point, or if the split base is AUDIO, search for the VIDEO advance (or delay) edit point.

11 Press the MARK SPLIT key on the MAVE-F555 editing panel.
- The monitor display indicates that the system is in the split edit mode.
- On the monitor display AA is displayed if the split base is AUDIO Advance with VIDEO, AD is displayed for AUDIO delay, VA is displayed if the split base is VIDEO Advance with AUDIO, and VD is displayed for VIDEO delay.



- The length of the split can be confirmed on the detailed information screen display.

12 Press the EXECUTE/REC key to execute split editing.
The Recorder file becomes the result of the edit (the file after split editing), and jumps to the OUT point.

Releasing the Split Edit Mode

As soon as split editing is completed, the system is released automatically from the split edit mode and restored to the normal editing mode. However, you can use the procedure below to release the system from the split edit mode without completing the split edit procedure.

1 Hold down the [ ] (or [ ] key) and press the MARK SPLIT key.
On the monitor display the split edit mode goes off, and the normal editing mode is restored.

3-2-11 Editing Operation

REPLAY/PREVIEW

Before editing execution and before executing trimming, the editing result can be viewed by pressing the PREVIEW key. Further, after completing the edit execution and the trimming, the editing result can be replayed by pressing REPLAY key (SHIFT key + PREVIEW key).

Operation at Edit Execution

At the point when the EXECUTE/REC key is pressed to execute editing, editing is completed without playback provided that the conditions below are not met. If any of the conditions below is met the desired portion can be captured in the MAV-555 while viewing playback.

- The operation is an effect edit, not a cut edit and the effect is not yet captured (a preview is not executed, or the setting was changed after preview execution).
- A DMC edit.
- An edit using and audio feeder.
- A voice over edit.
- The Player is a VTR, and the edit interval is not yet captures (a preview is not executed, or the setting was changed after preview execution).

Notes

- If you want to conduct a cut edit with playback that is ordinarily not conducted with playback, then press SHIFT key + EXECUTE/REC key to play back the edit interval.
- When a previous preview was performed and after a desired part of a material was captured, you can capture a desired portion of a material in the MAV-555 by pressing SHIFT key + EXECUTE/REC key while performing an new playback.

3-2-12 IN Point and OUT Point Holding Periods

After the editing operations described in Sections 3-2-3 to 3-2-6, the specified player and recorder IN and OUT points are held for the lengths of time as described below.

Player port IN point and OUT point

- When you specify IN and OUT points for a single file on the player port, the last-specified IN and OUT points are held. At the point at which you specify a new IN or OUT point, the existing specified IN or OUT point is overwritten.
- If you specify IN and OUT points for a file on the player port, then select a different file, until you specify a new IN point (or OUT point) the IN and OUT points in the original file are held. At the point at which you specify an IN point (or OUT point) on the different file, the OUT point (or IN point) is cleared.

Transition diagram for holding status: in the table, a downward-pointing arrow means that the state from the line above is maintained.

Operation	Held status of IN point	Held status of OUT point
File No. 0005 IN point set at 00:00:03:00	00:00:03:00	-:-:-:-
File No. 0005 OUT point set at 00:00:05:00	↓	00:00:05:00
File No. 0005 IN point set at 00:00:02:00	00:00:02:00	↓
Carry out editing	00:00:05:00	-:-:-:-
File No. 0005 OUT point set at 00:00:08:00	↓	00:00:08:00
File No. 0010 (change file) IN point set at 00:00:10:00	00:00:10:00	-:-:-:-

Recorder IN point and OUT point

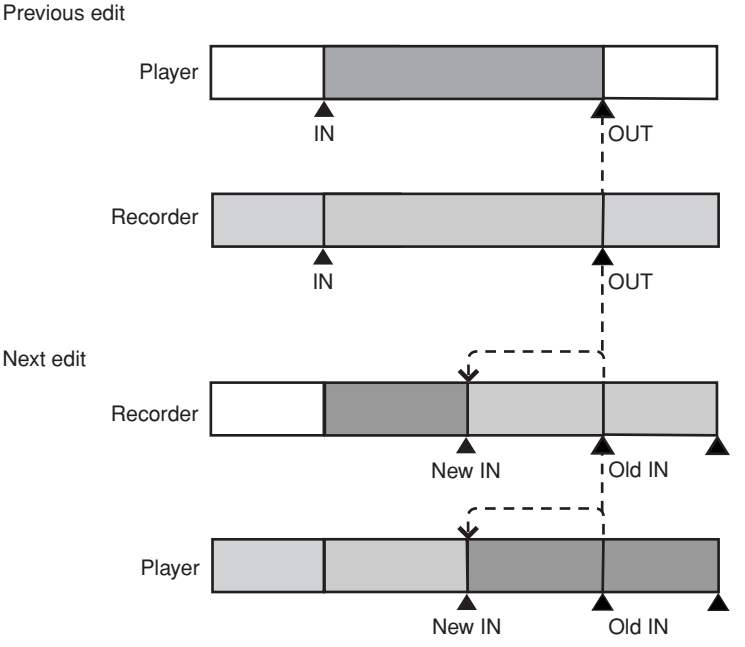
- When you specify IN and OUT points for a single file on the recorder port, the last-specified IN and OUT points are held. At the point at which you specify a new IN or OUT point, the existing specified IN or OUT point is overwritten.
- If you specify IN and OUT points for a file on the recorder port, then select a different file, until you specify a new IN point (or OUT point) the IN and OUT points in the original file are held. At the point at which you specify an IN point (or OUT point) on the different file, the OUT point (or IN point) is cleared.
- After executing the edit, the cue-up point after the edit is automatically set to the new IN point.

Transition diagram for holding status: in the table, a downward-pointing arrow means that the state from the line above is maintained.

Operation	Held status of IN point	Held status of OUT point
File No. 0005 IN point set at 00:00:03:00	00:00:03:00	-:-:-:-
File No. 0005 OUT point set at 00:00:05:00	↓	00:00:05:00
File No. 0005 IN point set at 00:00:02:00	00:00:02:00	↓
Carry out editing	00:00:05:00	-:-:-:-
File No. 0010 IN point set at 00:00:10:00	00:00:10:00	-:-:-:-
File No. 0013 (change file) OUT point set at 00:00:08:00	-:-:-:-	00:00:08:00

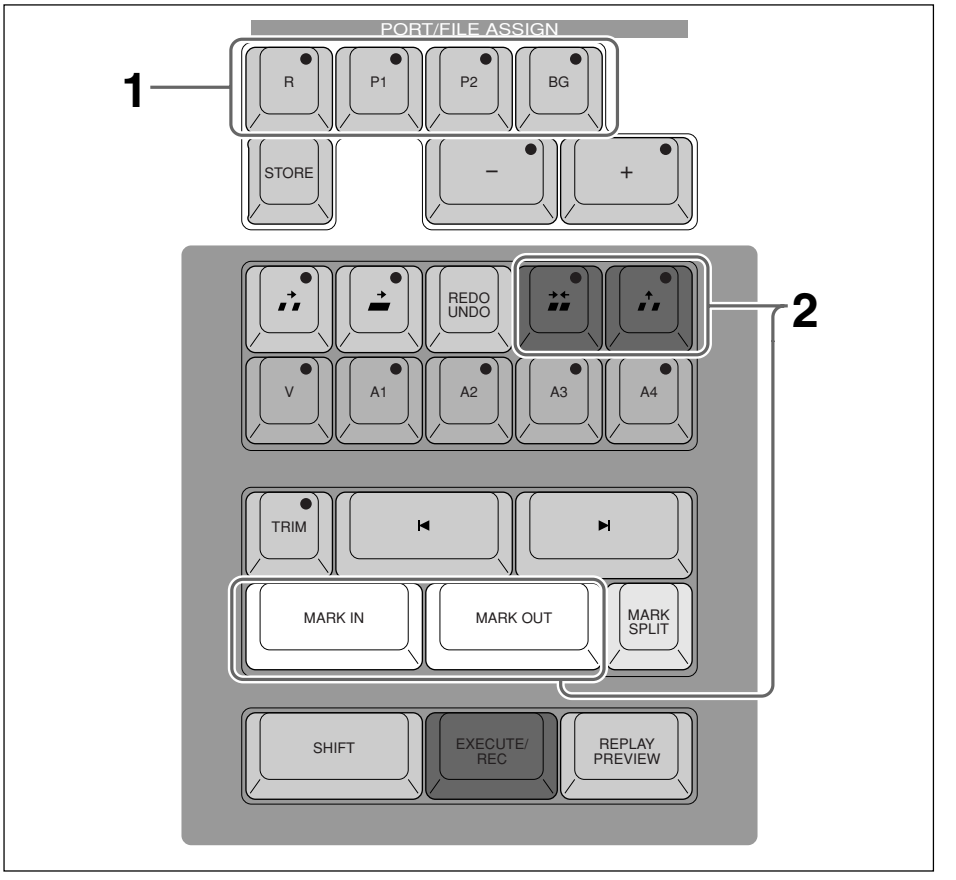
Time tracking function

When you finish an editing procedure, the recorder and player OUT points are automatically set as the following IN points. Further, If you modify the recorder IN point, the player IN point is modified automatically (automatic time tracking). Even if you modify the player IN point and time tracking is lost, you can manually return it to its original position (manual time tracking).



If you modify the Player IN point and time tracking is lost, pressing the MAVE-D555 T-TRACK key (SHIFT key + F/TC key) in the current Player status modifies the Player IN point so that it is synchronized with the Recorder IN point.

Clearing specified IN points and OUT points



1 Select the Player port where you want to clear the Player IN point (or OUT point), or select the Recorder port where you want to clear the Recorder IN point (or OUT point).

2 Hold down the [ ] (or [ ] key), and press the MARK IN or MARK OUT key.
Press the MARK IN to clear an IN point, or press the MARK OUT key to clear an OUT point.

Note

For the Recorder port on the MAVE-F555, hold down the SHIFT key and press the MARK IN (or MARK OUT key) to clear the specified IN point (or OUT point), and on the Recorder port hold down the SHIFT key and the [ ] (or [ ] key) together, and then press the MARK IN (or MARK OUT key).

3-2-13 Undoing and Redoing an Editing Operation (Undo/Redo)

After editing operations such as inserting or deleting a cut, you can undo the effect of the edit. After undoing an edit, you can then redo it.

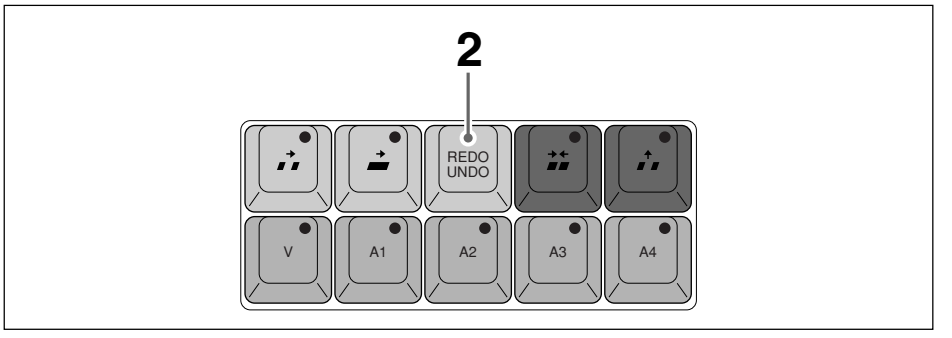
Undoing the effect of an edit

When you use the MAVE-F555 to carry out editing on a file on an MAV-555 port, as you execute each edit a new editing result file is created. After executing an edit, the immediately previous file is held on the MAV-555, provided the MAV-555 is not powered off. You can thus undo the effect of the most recent editing operation.

Notes

- When you change the file on the recorder port, this destroys the information required for an Undo/Redo.
- When you power off the MAV-555, the file from before the last edit saved on the MAV-555 is destroyed. Therefore, once you power off the MAV-555 it is no longer possible to undo the last edit.
- When you undo an edit this does not restore information such as the IN and OUT points when you did a copy. The only effect is to return the editing result file to its state before the last editing operation.

Undoing an edit



To undo an edit, use the following procedure.

1 Press the R key on the MAVE-F555, and select the MAV-555 port.

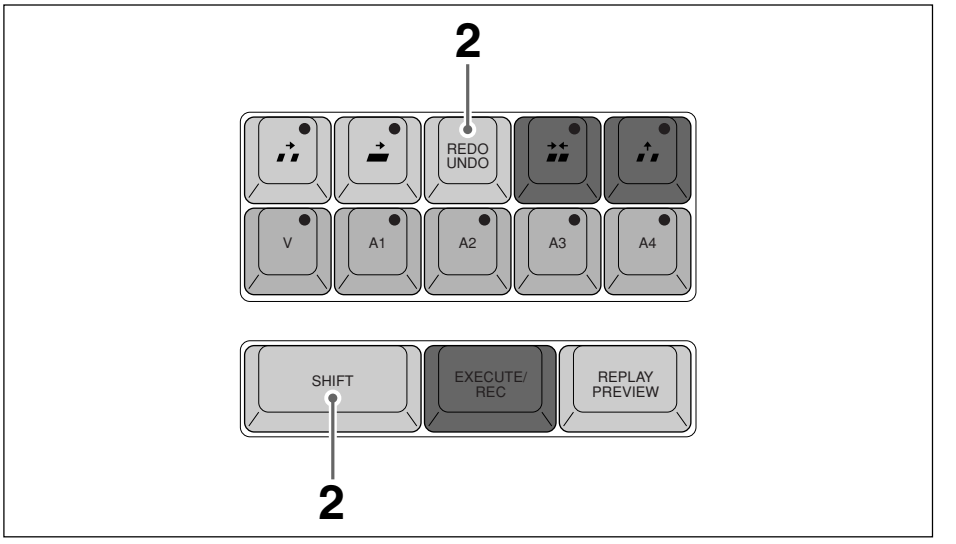
2 Press the MAVE-F555 UNDO/REDO key.

- When you undo an edit, “Undo Completed” appears on the monitor screen connected to the MONITOR OUT connector of the MAV-555.
- The effect of the immediately previously executed edit is undone, and the file in the state before the edit is opened.

Note

If it is not possible to undo an edit, “Can not Undo” appears on the monitor screen .

Redoing an edit



To redo an edit which you have just undone, use the following procedure.

1 Press the R key on the MAVE-F555, and select the MAV-555 port.

2 Holding down the SHIFT key on the MAVE-F555, press the UNDO/REDO key.
- When you redo an edit, “Redo Completed” appears on the monitor screen connected to the MONITOR OUT connector of the MAV-555.
- The file containing the result of the undone immediately previous edit is reopened.

Note

If it is not possible to redo an edit, “Can not Redo” appears on the monitor screen.

3-3 Background Operation (Recording/Playback Using the Spare Port)

When using the MAV-555 in BVE mode, there is one port not used for editing. For example, when the MAV-555 is in the 2 input/2 output port configuration, in BVE mode the status of the ports is as follows.

MAV-555 port	Status
R1P1	Used as recorder (or player) for editing. Can be operated from a MAVE-D555 or a BVE-series editor.
P2	Used as a player for editing. By loading a file under the control of the MAVE-F555, the operation can be controlled from a MAVE-D555 or BVE-series editor.
R2	Not used for editing, but can be used for recording. However, cannot be operated from a BVE-series editor.

Thus the spare port on the MAV-555 which is not used for editing is called the "background port." By operating it from the MAVE-F555, this background port can be used for recording or playback.

Note

While recording or playing back with the background port, the file on the background port cannot be deleted.

3-3-1 MAV-555 Circuit Board Configuration and Background Port

The background port is fixed, but depends on the circuit board configuration of the MAV-555, as follows. Note that the application of the background port is determined by the configuration.

Configuration	Background port (port name on MAV-555)	Application
1 input / 1 output	None	–
2 input / 2 output	Port R2	Recording
1 input / 3 output	Port P3	Playback

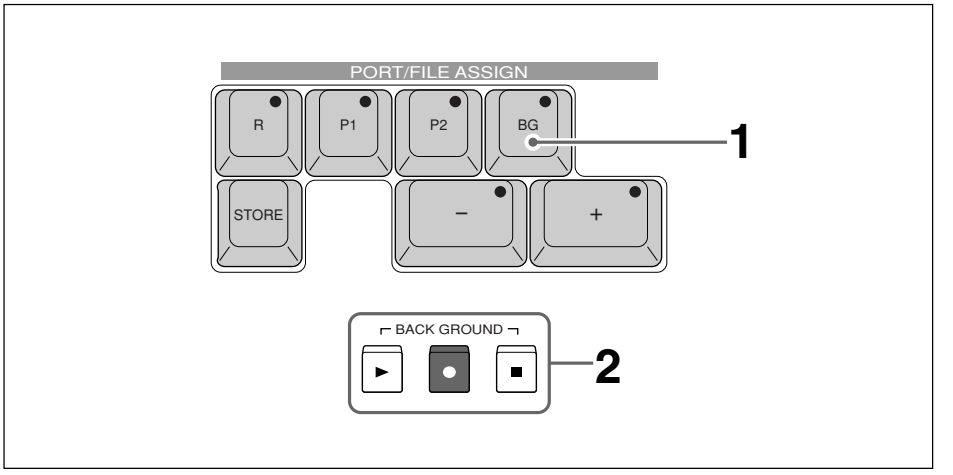
3-3-2 Background Recording

When the background port is a recording port (the MAV-555 R2 port), you can control the background port from the MAVE-F555 for line input recording and so on.

Viewing an Input EE Image

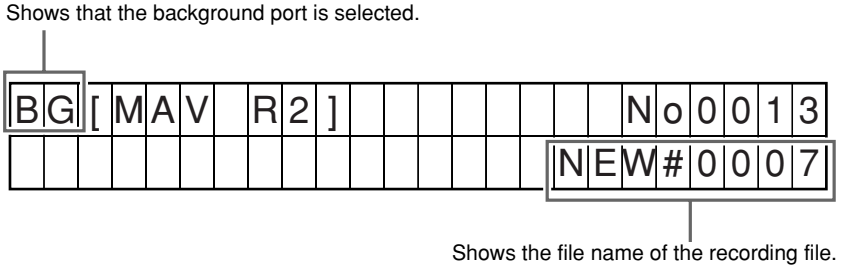
Press the BG key of the MAVE-F555 to select the background port. An EE image appears on the monitor screen connected to the MONITOR OUT connector of the MAV-555.

Starting recording

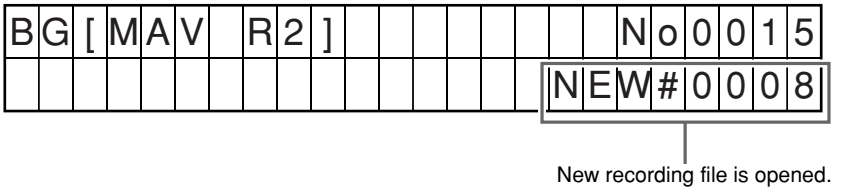


To start recording on the background port, use the following procedure.

1 When you want to record an EE screen, start by pressing the [BG] key. This operation may be skipped when you want to start recording immediately. Doing step 2 by itself can start recording.



2 Hold down the [●] key in the BACK GROUND operation section, and press the [▶] key.
Recording starts on the background port (R2 port).



Note

The background port (R2 port) automatically has a file for recording assigned when the MAV-555 is powered on (startup after switching to BVE mode). It is not, therefore, necessary to open a file on the background port.

Pausing recording

1 Press the BG key to select the background port.

2 Press the [■] key in the BACK GROUND operation section.
- This pauses recording on the background port (R2 port).
- In this state, hold down the [●] key once again and press the [▶] key to resume recording to the same recording file, allowing a connected recording.

Stopping recording and switching to a new file

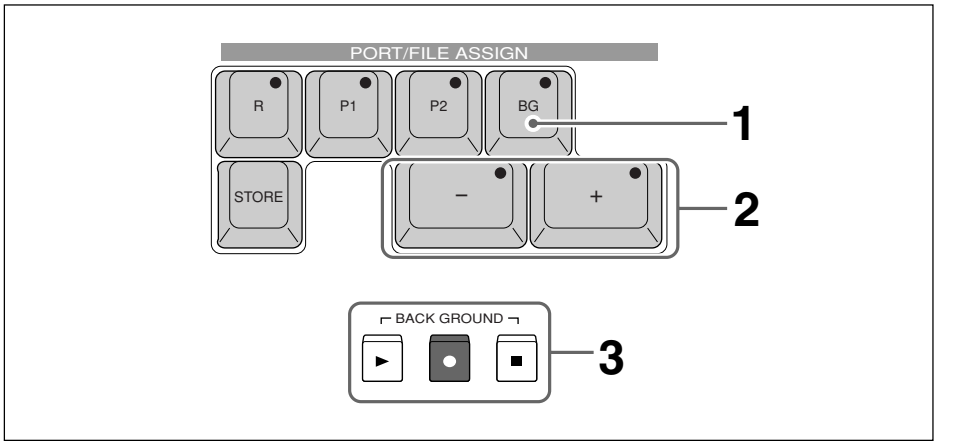
1 Press the BG key to select the background port.

2 Hold down the [●] key in the BACK GROUND operation section, and press the [■] key.

3-3-3 Background Playback

When the background port is a playback port (the MAV-555 P3 port), you can control the background port from the MAVE-F555 to play back desired files on the MAV-555.

Starting playback



To start playback on the background port, use the following procedure.

1 Press the BG key to select the background port.

2 Use the – / + keys to select a file for playback.

3 Press the [▶] key in the BACK GROUND operation section.
Playback starts on the background port (P3 port).

Pausing playback

1 Press the BG key to select the background port.

2 Press the [■] key in the BACK GROUND operation section.
- This pauses playback on the background port (P3 port).
- In this state, press the [▶] key once again to resume playback from the same position.

Notes

- While playback is paused, you can carry out a cut jump in the current file opened on the background port. To carry out a cut jump, press the [▶▌] or [▐◀] key.
- Operation of the [▶▌] and [▐◀] keys is invalid during playback.

For details of cut jump operation, see Section 3-2-1, "Cut Jump Function" (page 3-11).

Switching to another file

1 Press the BG key to select the background port.

2 If the background port is currently playing back, press the [■] key to stop playback.

3 Use the – / + keys to select the new file for playback.

Note

Operation of the – / + keys is invalid during playback.

3-3-4 Restricting Background Port Operation

Restricting the operation of background ports prevents mishandling from the MAVE-F555, such as recording pauses, assignment of different files during playback, or playback pauses from external controllers during recording (MAV-555 R2 port) or playback (MAV-555 P3 port).

Set the BG PORT sub menu to "disable" in the MAV-555 Expansion menu item 324 "MAVE-F555 PORT". This has the effect of restricting all background port operation from the MAVE-F555.

When this setting is disabled, if you want to pause recording, assign different files during playback, or pause playback, you can use the controller where recording or playback was started, or use the optional BKMA-505.

3-4 Recorder Selection Function

You can register two different ways in which operation of the keys (R, P1, and P2 keys) in the MAVE-F555 FILE/PORT ASSIGN operation section physically control which devices. Carry out the registration operation on the MAV-555. On the MAVE-F555, by operating the two keys (MAV key and VTR key) in the RECORDER SEL operation section, you can switch between the two different settings. This function is known as the “recorder selection function.”
By using the recorder selection function, after carrying out linear/nonlinear editing with a VTR as player and the MAV-555 as recorder, you can easily return the editing result file created on the MAV-555 to the VTR. This makes it easy to configure an editing system with a single VTR and single MAV-555.

Recorder Switching with the Recorder Selection Function

When switching the Recorder with the Recorder select function, you must press and hold down the key on the MAV or VTR **for at least 2 seconds**. While the setting is switching, the indicator on the pressed key flashes, and then you will hear a beep when the setting has finished changing. If you release the key before you hear the beep, the setting will not be changed. Further, if you press the MAV or VTR key too lightly, the pressed key could continue to flash and you will have to press the MAV or VTR key again to restore operation.

3-4-1 Settings on the MAV-555

Carry out the settings for the recorder selection function in MAV-555 Expansion menu item 324, “MAVE-F555 PORT.” In the following table, the settings enclosed in a box are the defaults.

Item number	Display indication	Settings Description
324 BI	MAVE-F555 PORT	This item specifies the port that is assigned to the port selection keys ([P1], [P2]) in the F555 when the MAVE-F555 is connected to the MAV-555.
	SUB MENU	
	R SEL-VTR P1 KEY	
	R SEL-VTR P2 KEY	This item assigns the port in the MAV-555 that is selected by the [P1] and [P2] keys in the F555 when the [VTR] key in the F555 is selected. Further, the [R] key is set to the VTR. none : No assignment to an MAV-555 port. R1P1 : Assignment to the RP port in BVE mode. P2 : Assignment to the P2 port in BVE mode. [P2], [R1P1]
	R SEL-MAV P1 KEY	This item assigns the port in the MAV-555 that is selected by the [P1] and [P2] keys in the F555 when the [MAV] key in the F555 is selected. Further, the [R] key is set to R1P1. none : No assignment to an MAV-555 port. R1P1 : Assignment to the RP port in BVE mode. P2 : Assignment to the P2 port in BVE mode. EXT : Assignment to the external VTR. [P2], [none] It is also possible to assign different keys to the same ports.
	R SEL-MAV P2 KEY	

For details of the MAV-555 Expansion menu setting operation, refer to the MAV-555 Operation Manual.

Example settings

Here is an example when you assign several keys to the same port.

Recorder selection function	FILE/PORT ASSIGN operation section	Port assigned to control (setting of MAV-555 Expansion menu item 324, “MAVE-F555 PORT”)
R-SEL	R key	R1P1 (fixed)
MAV	P1 key	R1P1
	P2 key	EXT

If you make the settings above, pressing the R or P1 key automatically switches the MAV-555 RP port file between a Recorder file and a Player 1 file. This way, it is possible to use one RP port to perform cut editing on MAV-555 material as well as external VTR material. Because the P2 port is not used at this time, you can use another broadcast application for "On Air" purposes.

Furthermore, if you are using the R2/P3 port from another controller or application and want to restrict operation from the MAVE-F555 or MAVE-D555, see Section 3-3-4 "Restricting Background Port Operation" (page 3-60).

Notes

- If you assign several keys to the same port, you cannot perform any of the following:
  - Editing with effects (If the Player BUS is set to MATT or AUX, this editing is possible)
    For details, refer to the MAVE-D555 operation manual.
  - When the MAV-555 recorder port is selected, adjusting the recording level with the Editing Fader Panel (when the MAV-555 internal port is specified as the Player)
  - DMC editing (when the MAV-555 internal port is specified as the Player)
  - Dual screen trimming
- To undo and redo edits, you must press the R key and select the recorder port.

3-4-2 Simple Switcher Function and Connection Configuration External Notification Function

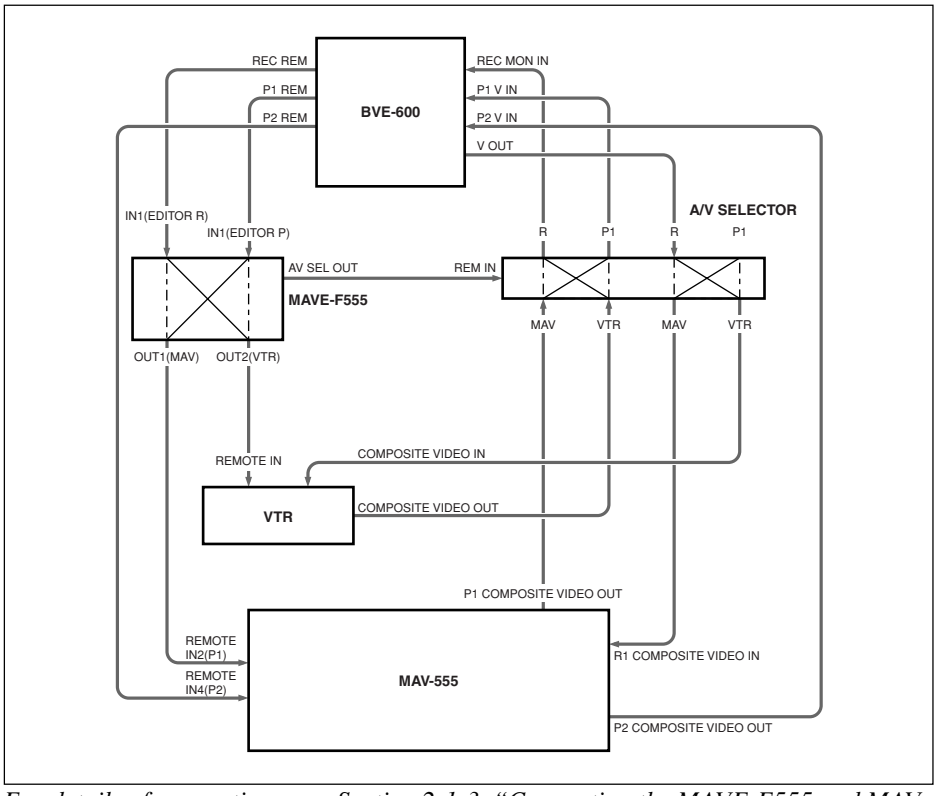
When you switch with the MAV key and VTR key in the RECORDER SEL operation section, the RS-422 switcher connection configuration of the MAVE-F555 (the connection configuration of the IN1/IN2/OUT1/OUT2 connectors) is also switched (simple switcher function). Since the open collector output from the AV SEL OUT connector is also switched, the connection configuration can be externally notified.
The following table shows the connection configuration and output from the AV SEL OUT connector as the MAV key and VTR key are switched.

Recorder selection status	Connection configuration	Open collector output from AV SEL OUT connector
MAV	IN1 (EDITOR R) - OUT1 (MAV P1) and	High
	IN2 (EDITOR P) - OUT2 (VTR) connected	
VTR	IN1 (EDITOR R) - OUT2 (VTR) and	Low
	IN2 (EDITOR P) - OUT1 (MAV P1) connected	

3-4-3 Example Setting and Connections

Using the MAV-555 settings described in Section 3-4-1 together with the simple switcher function and connection configuration external notification function described in Section 3-4-2, can provide two different operation and connection configurations, which you can switch between with a “one-touch” operation. For example, the following is a possible connection and setting configuration.

Example connections



For details of connections, see Section 2-1-3, “Connecting the MAVE-F555 and MAV-555” (page 2-3).

Note

The above example of connections assumes that the A/V SELECTOR used provides support for the AV SEL OUT signal of the MAVE-F555.

Example settings

Recorder selection function	FILE/PORT ASSIGN operation section	Port assigned to control (setting of MAV-555 Expansion menu item 324, "MAVE-F555 PORT")
MAV	P1 key	EXT (controls VTR)
	P2 key	P2 (controls P2 port of MAV-555)
VTR	P1 key	R1P1 (controls RP port of MAV-555)
	P2 key	P2 (controls P2 port of MAV-555)

When MAV key is selected

You can carry out linear/nonlinear editing with the VTR as player and the MAV-555 as recorder. The following devices are controlled from the MAVE-D555 or the BVE-series editor and the MAVE-F555.

Player 1 : VTR
Player 2 : MAV-555 P2 port

When VTR key is selected

You can return an editing result file created on the MAV-555 to the VTR. The following devices are controlled from the MAVE-D555 or the BVE-series editor and the MAVE-F555.

Player 1 : MAV-555 RP port
Player 2 : MAV-555 P2 port

3-4-4 VTR Constant Settings

When you use the Recorder Select function, you must set the MAV-555 "VTR Constant" on the BVE editor for both the MAV and VTR switching ports. For example, if you are configuring a system with the connection described in Section 3-4-3 "Example Setting and Connections" (page 3-67), because switching can be performed for MAV-F555 and VTR switching by pressing the R or P1 key, the VTR Constant for the MAV-555 must be set for both ports, R and P1.

However, when using the MAVE-D555, MAV-555 Expansion menu item 325, "MAVE-F555 EXT VTR CONTROL" is the only applicable item.

For details about the MAV-555 VTR Constant, see the MAV-555 Operation Manual. For details about setting the VTR Constant on a BVE editor, see the BVE Editor Operation Manual for the BVE editor that you are using.

Notes

- After you set the VTR Constant for the BVE editor when you configure the system, the constant is enabled and does not require setting again with the Recorder Select function.
- When you use the Recorder Select function, the version of the BVE-series editor required could be different, depending on the VTR type. For details, contact the supplier where you purchased the equipment, or contact your Sony representative for assistance.

Using the TO MAV (PARALLEL I/O) connector of the MAVE-F555, and connecting multiple MAVE-F555 units to a single MAV-555, you can easily control different ports of the MAV-555 from the MAVE-F555 units. For example, when the MAV-555 is in the 1 input/3 output configuration, while using the MAV-555 for recording from a line, you can configure a distribution system, with the three ports P1 to P3 subject to file assignment and control from respective MAVE-F555 units.

4-1 Allowed Operations

When using the TO MAV (PARALLEL I/O) connector of the MAVE-F555 to connect the MAVE-F555 to the MAV-555, the allowed operations from the MAVE-F555 are restricted to the following.

(1) Using the –/+ keys in the FILE/PORT ASSIGN operation section to load a file on the port being controlled
(2) Using the keys in the BACK GROUND operation section for playback start/stop (when the port being controlled is a playback port) or recording start/stop (when the port being controlled is a recording port)

Notes

- When using the TO MAV (PARALLEL I/O) connector to connect the MAVE-F555 to the MAV-555, it is not possible to carry out operations other than those listed above, such as nonlinear editing operations. In order to carry out all of the operations described in Chapter 3, the MAVE-F555 must be connected to the MAV-555 using the TO MAV connector of the MAVE-F555.
- When connecting multiple MAVE-F555 units to a single MAV-555, it is possible to combine an MAVE-F555 connected to the MAV-555 through the TO MAV (PARALLEL I/O) connector and an MAVE-F555 connected to the MAV-555 through the TO MAV connector. However, in this case the MAV-555 must be in BVE mode, and moreover only one MAVE-F555 unit may be connected to the MAV-555 through the TO MAV connector. Also, when you make connections in this way, while the MAVE-F555 connected to the MAV-555 through the TO MAV connector can be used for all of the operations described in Chapter 3, the only operations allowed for the MAVE-F555 connected to the MAV-555 through the TO MAV (PARALLEL I/O) connector are those listed as (1) and (2) above.
- If you connect both the TO MAV (PARALLEL I/O) connector and the TO MAV connector of a single MAVE-F555 to a single MAV-555, only the connection through the TO MAV connector is enabled.

4-2 Ports Being Controlled

When you connect the MAVE-F555 to the MAV-555 using the TO MAV (PARALLEL I/O) connector of the MAVE-F555, the port controlled is determined by the PARALLEL I/O wiring. Therefore, it is not possible to select the port being controlled from the MAVE-F555.
For details of the pin assignments of the TO MAV (PARALLEL I/O) connector, refer to the MAVE-F555 Installation Manual.

List of Error Messages

Error	Meaning
Illegal IN/OUT Data	(1) Edit could not be executed because the IN point was larger than the OUT point during editing. (2) Edit could not be executed because there was no file at the IN point or OUT point. For either case, re-define the IN point or OUT points correctly.
Define Edit Channel	Operation could not be executed because a channel was not defined for editing or a cut jump execution. Specify at least one channel and then execute again.
File has been Changed	Editing could not be executed because the open file and the file with the specified IN point and OUT points are different.
Define IN Point	(1) Delete could not be executed because the IN point was not defined. (2) Edit could not be executed because the IN point required for the edit was not specified for Insert, Overwrite.
Define OUT Point	(1) Delete could not be executed because the OUT point was not defined. (2) Edit could not be executed because the OUT point required for the edit was not specified for Insert, Overwrite.
Illegal Split Point	(1) Split editing was attempted but could not be executed because the split IN point was specified before the beginning of the file. (2) Split editing could not be executed because the IN point was specified after the OUT point. For either case, re-define the split IN point or OUT point correctly.
Split Edit on Illegal Mode	Split editing was attempted but could not be executed because the Insert mode or Extract mode was selected before execution. Select the Overwrite mode or Lift mode before execution and try again.
Tc type must be the same	(1) Nonlinear editing could not be executed because the IN point and OUT point were specified for a different TC Type. Define the IN point and OUT point in the same TC Type. (2) Trimming could not be executed because the reference trimming edit points (IN point or OUT point) were specified for execution in a different TC Type. Specify the IN and OUT points in the same TC Type.
Trim on Illegal Channel	Trimming was attempted but could not be started because the start point you tried to use does not contain a cut point. Define a cut point with an IN point and OUT point and then try again.
File is Protected	You attempted to edit or delete a file that is protected from deletion.
Duration Zero	You attempted to create a new file but the file cannot be created because the “Length” setting in the MAV-555 menu has been set to zero.
Opening on other port	A file deletion was attempted, but the file targeted for deletion was open on another port and could not be deleted.
Can not Undo	You attempted an UNDO but it could not be executed because no information exists.
Can not Redo	You attempted a REDO but it could not be executed because no information exists.

Error Message	Meaning
Cut Entry Full	In the BVE mode of the MAV-555, the cut information for the edit file is stored internally, and this cut information used on the MAV-555 for nonlinear editing. The number of cuts allowed for one file is limited. (When this error message appears, the limit has been reached and the target file can no longer be edited.) Solution When this message appears, on the MAVE-F555 editing panel hold the following keys down together for at least 2 seconds: [⏮], [⏭] and [⇶] (or [⇷]) to display the "Package this File?" message. Then press the EXECUTE/REC key to clear the current file cut information so you can continue editing. However, please remember that because the cut information has been cleared, even if you perform a cut jump, you will no longer be able to cue up to the beginning or end of the file. If you want to cancel with the "Package this File?" message displayed, press the [⇶] or [⇷] key. Also, you cannot perform trimming on a file that contains more than 1,000 cuts. If this error occurs when executing trimming, a message will display and tell you that trimming cannot be executed using the specified IN point (or OUT point) and that you have exceeded the limit for the number of allowed cuts. Try again by specifying a new IN point (or OUT point), or cancel the trimming operation.
Edit Entry Full	The cut information area can internally store only a limited number of files. When the "Edit Entry Full" message appears, this area is full and you can no longer create files for editing. You cannot continue editing in this state because the system creates the temporary file for internal editing on the RP Port. Solution Hold down the SHIFT key and press the DEL FILE key for at least two seconds to display the "Optimize Disk?" message. Holding down the SHIFT key and pressing the DEL FILE key again displays the "Initialize All Files?" message. Then press EXECUTE/REC key to clear all of the cut information held on the MAV-555 so you can restore conditions where you can continue editing and creating new files. However, please remember that after you clear all files, you can no longer execute cut jump or UNDO/REDO. To cancel while the message is displayed, press the DEL FILE key again.
Material Entry Full	Files can no longer be created because the material entry on the MAV-555 hard disk is full. Solution Delete unneeded files.
Too Much Fragmentation	There is a limit on the amount of data for processing the positions of files on the hard disk. When the "Too Much Fragmentation" message appears, this means that the limit for file handling has been reached and you can no longer execute editing. Solution Play back the file that you are editing, record the file on a Record port, and begin editing as a new file.
Not Enough Trimming Margin	Displayed when the length of the cut is was shortened in the LIFTmode at trimming, and the foundation of the adjacent cut is insufficient. Solution Specify the IN point and OUT point within the range of the adjacent cut.

Error Message	Meaning
EF Edit on Illegal Mode	Effect editing is only possible between MAV-555 internal ports in the OVERWRITE mode. This error occurs when an effect pattern is specified for INSERT/LIFT/EXTRACT editing or editing using an external VTR. Solution Select the OVERWRITE mode.
Cannot Use P2 Port	When trimming was started either condtion below was not in effect. • In the MAV-555 Expansion menu, P2 selected for item 324 “MAVE-F555 PORT”. • MAV-555 P2 Port is not PLAY. In this case, one port trimming is used, just as with Ver. 1.10.
Not Cut Point	When the effect cut was specified, the beginning of the cut was not specified, or there was no cut point specified on the specified channel, or when trimming was started there was no cut point specified. Solution An effect result can be deleted with only the beginning of the cut. Move to the beginning of the cut and try again. For trimming move to the cut points (IN point and OUT points) for the cuts on each channel.
Cannot Synchronize xx	When the edit was executed, phase adjustment failed without correct control of the Player/Recorder. xx indicates the R/P1/P2 port name.
Not Ready xx	When the edit was executed, the file was not loaded on either the Player/Recorder (or TAPE not inserted), and due to an error message phase adjustment failed.
Rec Stopped	Recording on R2 Port or RP Port stopped because the disk is full. Recording and Editing cannot be performed. Solution Delete unneeded files to create more empty space on the hard disk. If this does not release the error message, on the MAVE-F555 hold down the SHIFT key and hold down the DEL FILE key for over 2 seconds until you see the “Optimize Disk?” message, and then press the EXECUTE/REC key. All cut information on the MAV-555 is cleared and at the same time empty space is created on the hard disk. However, because all of the cut information is erased, cut jumps, trimming, and UNDO/REDO operations can no longer be performed.
Not Enough Space to Rec	R2 Port and RP Port cannot be used to record material because the hard disk is full. Solution Perform the same procedure described for “Rec Stopped”.

Error Message	Meaning
Nearly Rec Stop	When editing or recording a collection file in BVE mode, a four-minute area is allocated on the HDD; then as recording continues, when two minutes of this allocated area is used up, enough area for two more minutes is allocated. This operation repeats as recording continues. This error occurs when the area for two additional minutes cannot be allocated because the disk is full. Once this error is generated, recording/editing stops after two minutes. Solutions • Recording/editing can continue further even after this error is generated if you delete any unnecessary files within two minutes of the moment when this error was generated. • Perform the same procedure described for "Rec Stopped".

List of Superimposed Indications

The monitor screen connected to the MAV-555 MONITOR OUT connector displays various information for MAVE-F555 operations.

The TYPE setting of MAV-555 Expansion menu item 323 “LINEAR EDIT MESSAGE” determines how the superimposed display operates, as described below.

TYPE set for “normal”

The superimposed display shows various information about operations performed with the MAVE-F555 editing panel, and when the time specified for FADE TIME has elapsed, the display returns to the display of editing operation information.
Also, detailed information can be displayed for the function on the currently selected port by pressing one of the following keys, corresponding to the current port: R, P1, P2, BG

TYPE set for “full”

Normally the detailed information screen is displayed. However, if you switch to another port or file, the port or file information is superimposed on the display, and after the specified time for the “FADE TIME” setting has elapsed, the detailed information will return to its normal display.

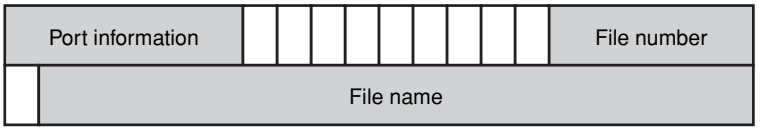
For details about the positioning of information items in the superimposed display, and settings for the display times, see Section 2-2-3, “Settings for Superimposed Indications” (page 2-5).

Displaying superimposed indications

By pressing the lit key on the recorder select operation section (MAV or VTR key) while pressing the SHIFT key, you can display or hide superimposed indications on the display for the key that was pressed.
When you restart the MAV-555, the CHARACTER switch setting of the system setup panel becomes effective.

Port/File Information

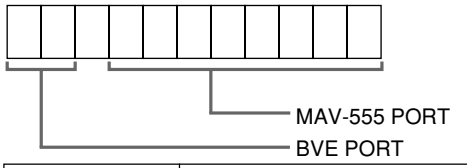
The port/file information is displayed when using the MAVE-F555 editing panel to change the operation port and assigning a file to a port



Port information
Displays the port name on the MAVE-F555 editing panel (or BVE editor), MAV-555 port name, and status of Recorder select status. (See “Display 1” below)

File number/File name
Displays the file number and the file name assigned to the file to be controlled on the MAV-555 port from the MAVE-F555.

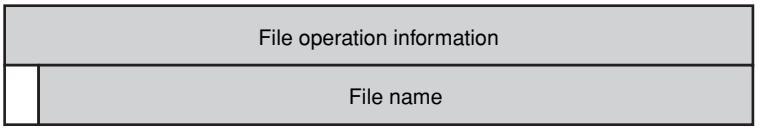
Display 1: Port Information Display Details



Position	Meaning
BVE PORT	Displays the target channel currently selected for editing.
MAV-555 PORT	Displays the MAV-555 port currently selected, corresponding to the R, P1, P2, BG keys on the MAVE-F555. **Port Selected** **Display** R1P1 MAV RP R2 MAV R2 P2 MAV P2 P3 MAV P3 VTR VTR

File Operation Information

File operation information is displayed for keys pressed during file operations.



File operation information
Messages are displayed for the file operations as listed under “Table 1” below.

Table 1: Details about File Operation Information Displays

Operation (Key Presses)	Operation Result	Display
SHIFT + DEL FILE	Allows confirmation of file delete.	Delete This File?
EXECUTE/REC (to delete file)	Deletes file.	Delete Completed
NEW FILE	Creates new file.	New File Created
SHIFT + DEL FILE (2 sec. or more)	Allows confirmation of EditEntry.	Initialize All Files?
EXECUTE/REC (to initialize EditEntry)	Completes initialization.	Initialize Completed
[I◀] + [▶I] + [⇶] (or [⇡]) (2 sec. or more)	Allows confirmation of CutEntry.	Package This File?
EXECUTE/REC (to initialize CutEntry)	Initializes CutEntry.	Completed
NEW FILE + MEMORY (Keys 1 to 4)	Copies file assigned to the pressed MEMORY key.	File Is Copied & Loaded
NEW FILE + Port key for the currently selected port	Copies file on the currently selected port.	File Is Copied & Loaded
MEMORY (Keys 1 to 4)	Recalls the file registered under the pressed MEMORY key.	Loaded from Memory x (where “x” is the memory number)
UNDO	Cancels content of the previously executed edit.	Undo Completed
REDO	Repeats execution of the previously executed edit.	Redo Completed

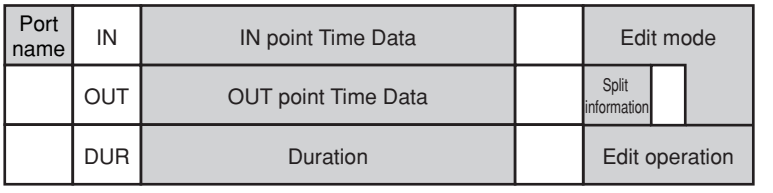
Note

The following messages will remain displayed until you start the next operation, regardless of the “Fade Time” setting on the MAV-555: “Delete This File?”, “Initialize All Files?”, “Package This File?”.

For details, see Section 2-2-3, “Settings for Superimposed Indications” (page 2-5).

Edit Operation Information

Various edit operation information is displayed for nonlinear editing operations performed with the MAVE-F555 editing panel.



Port name

Displays the currently selected port (“R” if Recorder port is selected, or “P” if Player port is selected).

IN point Time Data

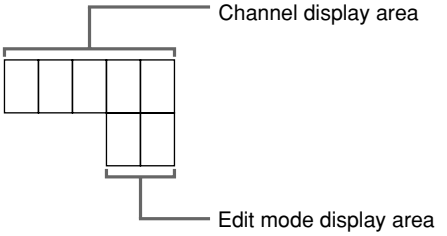
Displays the Time Data in the format HH:MM:SS:FF for the specified IN point.

OUT point Time Data
Displays the Time Data in the format HH:MM:SS:FF for the specified OUT point.

Duration
Displays the Time Data in the format HH:MM:SS:FF automatically calculated from the IN point to the specified OUT point specified during editing. During DMC editing, a “D” is displayed to the right of the time data.

Edit mode
Displays the channel currently targeted for editing and the edit mode. (See “Display 2” below.)

Display 2: Edit Mode Display Details



Position	Display
Channel display area	Displays the channel currently targeted for editing V Video channel on 1 Audio channel 1 on 2 Audio channel 2 on 3 Audio channel 3 on 4 Audio channel 4 on During Assemble editing, “ASMBL” flashes.
Edit mode area display	Displays the symbol corresponding to the select edit mode. ←→ Insert mode → Overwrite mode →← Extract mode ↑ Lift mode

In the channel display area, you can confirm the current position of the channel currently enabled for trimming.

V 1 2 3 4

The display above shows when VIDEO, AUDIO3, or AUDIO4 is enabled for editing.
For details about trimming, see Section 3-2-9, “Trimming a Cut” (page 3-41).

Split information
Displays the split status during split editing.

Note

On the monitor display AA is displayed if the split base is AUDIO Advance with VIDEO, AD is displayed for AUDIO delay, VA is displayed if the split base is VIDEO Advance with AUDIO, and VD is displayed for VIDEO delay.

Edit operation
Displays “EDIT” during nonlinear editing.

Cut jump information

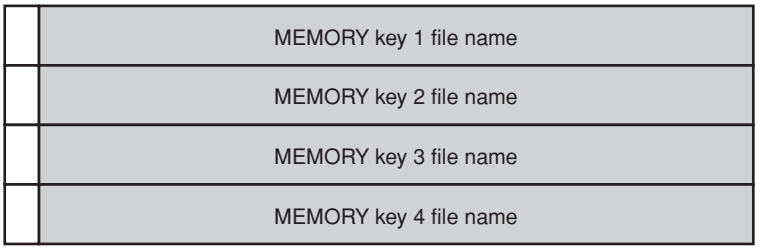
Cut jump information can be displayed during editing by pressing the [I◀] or [▶I] keys.

Time data or message
The time data of the destination is displayed in the format HH:MM:SS:FF. Also, If the cut jump destination is the beginning of the file, then “Start of File” is displayed, and if the cut jump destination is the end of the file, then “End of File” is displayed.

Channel targeted for editing
Displays the channel selected and targeted for a cut jump, also displays cut points where trimming can be performed.
For details about cut jump display, see “Edit Operation Information” (page A-7).

Storage Memory List

Displays a list of the files registered under the MEMORY keys. To display the list, press the STORE key.



If no file is registered for a key, then “not stored” is displayed.

File List

To display a list of currently selected files registered on the MAV-555, press the + or – keys, or use the search dial on the MAVE-D555. The files are listed in order from the smallest to largest file. With key operation you can move the cursor up and down in the file list and display the file number of the file where the cursor is currently positioned.

	No	
	File name	
	File name	
	File name	
	File name	
→	File name	
	File name	
	File name	
	File name	
	File name	
	File name	
	File name	

Effect Editing Information

When an edit with an effect, pressing the DISS key or another effect operation key, or selecting an effect pattern from the MAVE-D555, displays the following information.

Effect Type	TR	Transition Time	
Effect Pattern No.			

Detailed Information Screen Display

You can display information for currently selected Recorder port and Player port on the monitor as shown below by pressing one of the following keys on the MAVE-F555 editing panel: R, P1, P2, BG. When “TYPE” is set for “full” in the submenu of the 323 “LINEAR EDIT MESSAGE” item of the MAV-555 Expansion menu, the detailed information screen is normally displayed.

Display Information

Effect Type			TR	Transition Time	
Effect Pattern No.					Split information
R Port information					
	IN	IN point Time Data			Edit channel
	OUT	OUT point Time Data			Edit mode
	DUR	Duration			
P Port information					
	IN	IN point Time Data			
	OUT	OUT point Time Data			
	DUR	Duration			
Error Message					
File Operation Information or Cut Jump Information					

Display Example

W	I	P	E					T	R		0	1	:	0	0							
P	0	0	0	8											A	A		0	0	:	0	4
R		[	R		:	M	A	V		R	P	]										
		I	N			0	0	:	1	0	:	0	1	:	0	0			V	1	2	3	4
		O	U	T		0	0	:	1	0	:	0	3	:	0	0						→	
		D	U	R		0	0	:	0	0	:	0	2	:	0	0							
P		[	P	1	:	M	A	V		P	1	]										
		I	N			0	0	:	0	0	:	0	1	:	0	0							
		O	U	T		0	0	:	0	0	:	0	3	:	0	0			S	P	D		
		D	U	R		0	0	:	0	0	:	0	2	:	0	0				+	0	5	0
E	d	i	t		E	n	t	r	y		F	u	l	l									
C	o	m	p	l	e	t	e	d															

Notes

- If the “TYPE” is not set for “full” in the 323 “Linear Edit Message” item of the MAV-555 Expansion menu then the “Error Message”, “File Operation Information” (or “Cut Jump Information”) are not displayed.
- The “Split information” displays the length of the split from the IN point.

Specifications

General

Power supply voltage	12 V DC
Power consumption	Maximum 6 W
Operating temperature	+5°C to +40°C (41°F to 104°F)
Storage temperature	–20°C to +60°C (–4°F to 140°F)
Operating humidity	20% to 90%
Mass	1.9 kg (4 1b 3 oz)
External dimensions	148 × 102 × 307 mm ($5^7/_8 \times 4^1/_8 \times 12^1/_8$ in.) (width × height × depth, excluding projections)

AC adapter specification

Power supply voltage	100 to 240 V AC, 50/60 Hz
Current consumption	Maximum 3 A
Operating temperature	+5°C to +40°C (41°F to 104°F)
Storage temperature	–20°C to +60°C (–4°F to 140°F)
Operating humidity	20% to 90%
Mass	Approx. 470 g (1 1b $^1/_2$ oz)
External dimensions	93 × 34 × 165 mm ($3^3/_4 \times 1^3/_8 \times 6^1/_2$ in.) (width × height × depth)

Input connectors

IN 1 (EDITOR R), IN 2 (EDITOR P)	D-sub 9-pin female (2)

Output connectors

OUT 1 (MAV P1), OUT 2 (VTR)	D-sub 9-pin female (2)
AV SEL OUT	BNC (1) open collector

Remote connectors

TO MAV	D-sub 9-pin female (1)
TO MAV (PARALLEL I/O)	D-sub 15-pin female (1)
D555 I/F	Mini-DIN 8-pin female (2)

Supplied accessories

Operation Manual (this manual) (1)
Installation Manual (1)
AC adapter (1)

In the interests of product development, specification and external appearance are subject to change without prior notice.

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